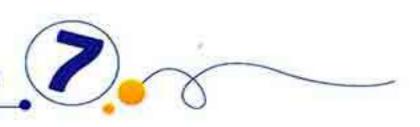


### **Operations on decimal numbers**

From the school book

#### 1 Find the result of each of the following:

a 0.231 + 0.754	b 2.53 + 0.19	0 . 6 8 9 - 0 . 2 5 4
d III 3 2 1 8 . 9 7 5 - 2 1 8 . 8 5 3	e 1 2 . 2 + 2 1 . 6	f III 7 4 . 2 8 + 2 5 . 7 2
5 3 . 4 2 - 2 1 . 2 3	h 16.34 + 8.79	7 . 5 1 + 6 . 4 9 2
j <u>—</u> 666.66 - 549.958	k	92.07 -45.026
m 0 . 2 + 0 . 9 8 7	n	o 6 8 . 0 0 5 - 2 4 . 2 5
p 0 . 5 - 0 . 3 7 5	q 6 1 2 . 5 - 1 5 7 . 1 2 5	r 3 5 . 0 0 1 + 1 4 . 9 9 9



s

u

w

z

#### 2 Find the result of each of the following:



$$\mathbf{w} \ 11\frac{1}{4} + 12.179 = \dots$$

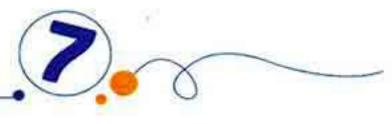
$$x = \frac{1}{8} + 0.13 = \dots$$

**y** 
$$9\frac{113}{1000} - 7\frac{1}{4} = \dots$$

$$z 36\frac{2}{5} - 17.15 = \dots$$

#### 3 Find the result of each of the following:

#### 4 Find the result of each of the following:



i 
$$5.27 + 8.39 - 3\frac{14}{100} = \dots$$

$$\mathbf{m} \ \square \ (520.46 - 2.731) - (498.7 - 98.58) = \cdots$$

**q** 39.071 - 
$$\left(16\frac{1}{4} + 22\frac{1}{5}\right) = \dots$$

#### 5 Complete:

**m** ..... ÷ 1 000 = 
$$67\frac{2}{10}$$

**h** ..... 
$$-3\frac{3}{5} = 7.634$$



#### 6 Choose the correct answer:

f 4.619 - 3.7 = ·······

e 🛄 9 870 ÷ 100 = ······

(98.7 or 9.87 or 987)

(4.25 or 0.45 or 0.045)

$$(< or = or >)$$

**q** 
$$13 - 3\frac{2}{5} = \dots$$

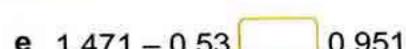
# 7 Put the suitable relation (< , = or >):

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8 - 3.228

n 🛄 4.722

Lesson



o 🕮 6.18 + 3.82

m 
$$25\frac{3}{5} - 19.15$$
 6.45

**p** 
$$\square$$
 175 ÷ 100 175 ÷ 1 000 **q**  $\square$  1.75 1  $\frac{3}{4}$ 

87.56 - 77.5

#### 8 Put (✓) for the correct statements and (×) for the incorrect ones:

$$f 1.07 + 0.7 = 1.77 \tag{}$$

$$\mathbf{g} \ \square \ 4.075 = 4 + 0.7 + 0.005 \tag{}$$

Unit One

$$h 64 \div 1000 = 0.64$$

$$\mathbf{j} \ 2\frac{1}{8} + 7.875 = 10$$
 ( )

$$k 8.8 - 8.08 = zero$$
 ( )

$$\mathbf{m} \ 36.4 - 22.25 = 14.15 \tag{)}$$

$$n 3.71 + 6.92 = 10.33 \tag{}$$

$$q 4\frac{3}{4}$$
 pounds = 475 piastres ( )

$$s \frac{1}{2} + 0.05 = 1$$
 ( )

# 9 Complete the missing digits:



h

k

# **Real Life Problems**

Example.

Soha saved L.E. 17.25 and her brother Amgad saved L.E 8.5 Find the sum they saved.

The sum they saved = 17.25 + 8.5= L.E. 25.75



Hany bought a pair of trousers for L.E. 75.75 and a pair of shoes for L.E. 49.5 How much money did Hany pay?

What Hany paid = ----+ = L.E. ....





b If Mona has L.E. 3.95 and Manal has L.E. 6.3 How much do they have together?



A man bought some goods for L.E. 306.7 and sold them for L.E. 366.95 Find his profit.



Ibrahim had L.E. 53.75 He spent L.E. 35.05 Find the remainder with him.



Mai had L.E. 253 She bought a dress for L.E. 125.7 and some books for L.E. 37.95 How much money is left with her?

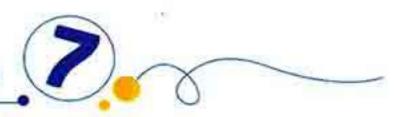


f Mazen has 35 pounds. He bought a ball for L.E. 9.75 and a book for P.T. 840 How much money was left with Mazen?



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود



Ali has L.E. 24.75 and Ahmed has L.E.  $15\frac{1}{4}$ Find how much money Ali and Ahmed have together.



h P.T. 980 piastres.Find the difference between what they have in pounds.



Hanaa has 200 pounds. She wants to buy a pair of shoes for L.E. 99.8, a bag for L.E. 45.75 and a dress for L.E. 70.25 Can she buy all what she wants? Why?



A man bought three metres of cloth to make two shirts, one for him and another for his son. If you know that one metre and three quarters of a metre of cloth are needed for the man's shirt and one metre and half a metre for the son's shirt, answer the following questions:



- a. Is what the man bought enough to make the two shirts or will he need another piece of cloth?
- b. If he needs another piece of cloth, how much cloth will he need to buy?

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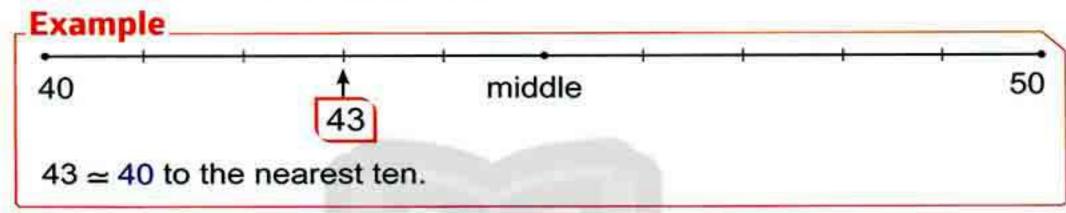
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلم

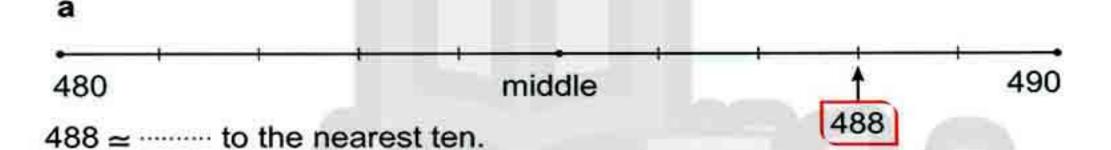


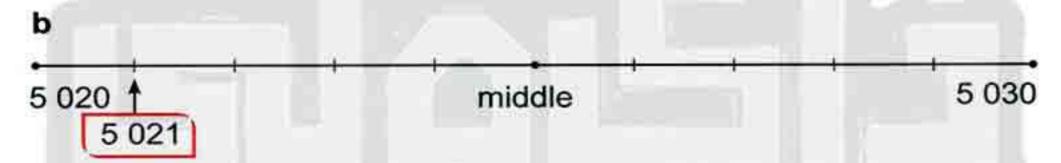
#### Approximating to the nearest ten

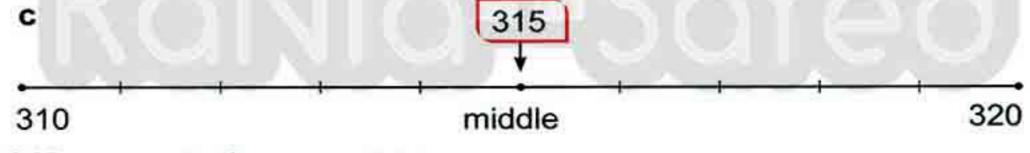
From the school book

Notice the position of each of the following numbers on the number line, then complete as in the example:

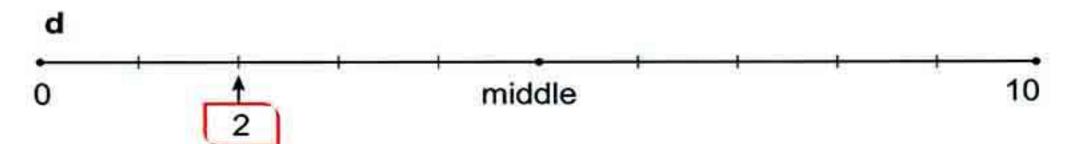




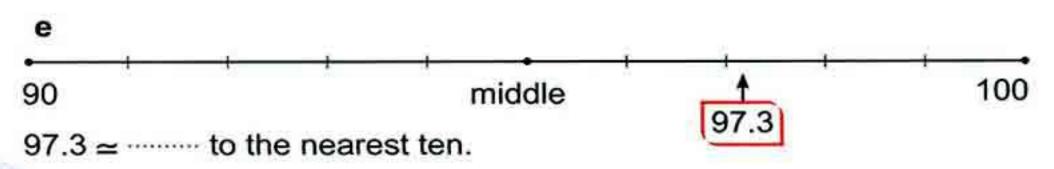




315 ≃ ····· to the nearest ten.



2 ~ ····· to the nearest ten.



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والصواف



#### 2 Approximate each of the following numbers to the nearest 10 as in (a):

- a  $514 \simeq 510$
- **b** □ 86 029 ≃ ······ **c** 85 ≃ ······

- d 33.105 ≈ ······· e 5.009 ≈ ······ f 108 ≈ ······

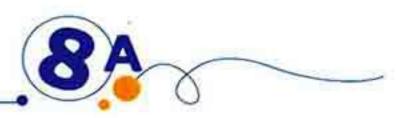
- g 17.5 ≃ ······· i 2 008 ≃ ········

- m □ 9 999 ≃ ······· n 3 ≃ ·······
- **p**  $\square$  21 395  $\simeq$  q 543  $\frac{1}{4} \simeq$  r  $\frac{19}{4} \simeq$   $\cdots$

3 Find the result of each of the following operations, then approximate the result to the nearest ten as in the example:

#### Example\_\_\_\_\_

- 13 426 + 32 623 = 46 049 ≃ 46 050
- $\bullet$  45 900 37 457 = 8 443  $\simeq$  8 440
- 13 465 ÷ 10 = 1 346.5 ≈ 1 350
- a 32 125 + 62 342 = ······ ≃ ·······
- **b** □ 25 304 + 9 467 = ······ ≃ ·······
- c □ 36 523 + 36 582 = ····· ≃
- **e** 9 756 − 3 665 = ······ ≃ ············· ≃
- f □ 46 257 15 391 = ······ ≃ ······
- **□** 700 000 − 65 093 = ······ ≃ ·······
- **h** 1 023.6 − 549.17 = ······ ≃ ······
- 73 410 ÷ 1 000 = ······ ≃ ······
- k 7<sup>3</sup>/<sub>5</sub> − 3 = ······ ≃ ········



#### 4 Choose the correct answer:

a 74 approximated to the nearest 10 is (70 c	or	80	or	75	)
--	----	----	----	----	---

**b** 619 approximated to the nearest 10 is ...... (600 or 610 or 620)

c 953.4 approximated to the nearest 10 is ...... (950 or 960 or 953)

d 12 578 approximated to the nearest 10 is .....

(12 570 or 12 580 or 12 500)

f 0 approximated to the nearest 10 is ...... (0 or 1 or 5)

g 999.9 approximated to the nearest 10 is ...... (990 or 999 or 1 000)

h approximated to the nearest 10 is 200

(199.1 or 208 or 192.5 or 19.99)

#### 5 Answer the following:

- a What is the smallest whole number that if approximated to the nearest ten gives a result of 300? ......
- b What is the greatest whole number that if approximated to the nearest ten gives a result of 12 510 ? ......
- c What is the greatest whole number that if approximated to the nearest ten gives a result of 750 ?
- d What is the greatest whole number that if approximated to the nearest ten gives a result of 8 000 ?
- e What is the smallest whole number that if approximated to the nearest ten gives a result of 9 420 ?
- Find a whole number, the sum of its digits is 16 and if approximated to the nearest ten gives a result of 460
- 7 Find the two whole numbers when we approximate each of them to the nearest ten the result is 750 and the difference between them is maximum.

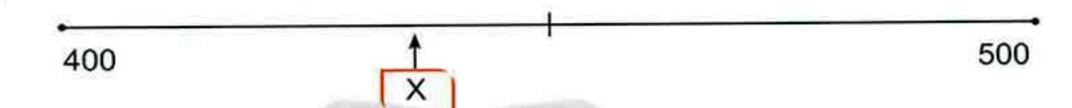
# Exercise

#### Approximating to the nearest hundred or the nearest thousand

From the school book

1 Observe the number X on the number line in each of the following cases and complete:

a



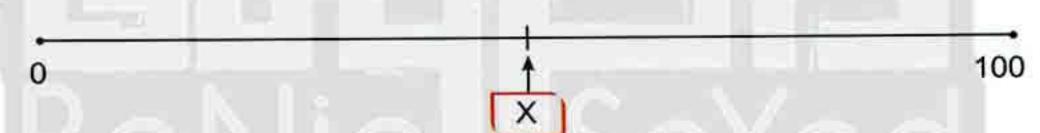
X ~ .... to the nearest hundred.

b



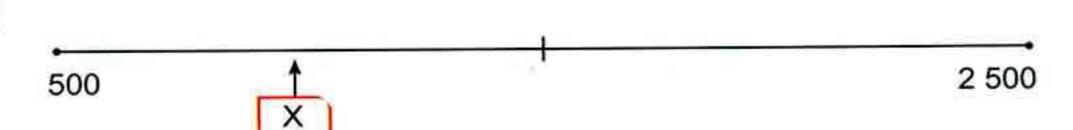
X ~ .... to the nearest thousand.

С



X = ····· to the nearest hundred.

d



X ~ ..... to the nearest thousand.

2 Approximate each of the following numbers to the nearest 100 as in (a):

$$a 268 \approx 300$$



e 633.15 ≃ ··········

f 35.108 ≃ ··········

g 999 ~ ·······

h 99 ≃ ·········

i 2 009 ≃ .....

j 90.01 ≃ ·······

k 9 ≃ .....

I 4.987 ≃ ···········

m □ 372 051 ≃ ···········

n 99 999 ≃ ·····

o 0.98 ≃ ··········

p △ 603 499 ≃ ··········

**q** □ 973 049 ~ ············

r □ 990 909 ≃ ·········

# 3 Approximate each of the following numbers to the nearest 1 000 as in (a):

 $a 2514 \approx 3000$ 

**b** 57 614 ≃ ···········

c 963 014 ≃ ········

d 612.35 ≃ ··········

e 498.5 ≃ ········

f 108 = .....

g 506.4 ≃ ········

h □ 6 435.5 ≃ ········

i 9 999 ≃ ·······

j 2 049 ≃ ········

k □ 519 900 ≃ ·······

I 11.009 ≃ ·······

m □ 75 049.9 ~ ···········

n □ 999 500 ≃ ·········

o 99 999 ~ ······

#### 4 Choose the correct answer:

a 7 081 ≈ 7 000 to the nearest .....

(10 or 100 or 1000)

b 38 000 is the approximation of 37 865 to the nearest .....

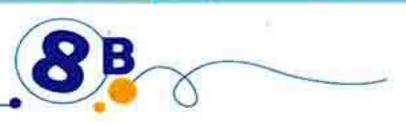
(100 or 10 or 1 000)

c 59 723 = ..... (to the nearest 1 000) (59 000 or 60 000 or 59 700)

d 9 748.3 ≈ 10 000 (to the nearest ······) (10 or 10

(10 or 100 or 1000)

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- e 9 705.26 ≈ 9 700 (to the nearest ······) (100 or 10 or 1 000)
- f 610.9 = ..... (to the nearest 100) (610 or 700 or 600)
- g 3 000 is the approximation of the number to the nearest thousand. (2 498 or 2 625 or 3 512)
- Find the result of each of the following operations, then approximate the result in each of the following cases:
  - a 483 + 96 = ..... to the nearest 100
  - **b** 1 325 + 7 406 = ..... to the nearest 1 000
  - c 30 406 17 918 = ····· ≈ to the nearest 1 000
  - d 🛄 93 608.2 + 18 905 = ······ ~ to the nearest 100
  - e 📖 893.44 + 987.56 = ..... a to the nearest 100
  - f □ 60 000 48.6 = ······ ≈ ····· to the nearest 100
  - g 15 726 ÷ 100 = ..... to the nearest 100
  - h 999 ÷ 100 = ····· = ···· to the nearest 100
- 6 Complete the following table with suitable numbers :

	Number	Approximated to the nearest 10	Approximated to the nearest 100	Approximated to the nearest 1 000
а	6 927	***************************************	COURTED AND ASSESSMENT	221111111111
b	517 109	131111111111111111111111111111111111111	111111111111111111111111111111111111111	11111111111111
С	4 381.5		ADIADAMANANA	
d	649.75	***************************************	*************	333644314444
е	38		zerozum.	************
f	6 543 217		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
g	3		*********	************

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعسوس



# 7 Answer the following:

- a What is the smallest whole number that if approximated to the nearest hundred gives a result of 700 ? .....
- **b** What is the greatest whole number that if approximated to the nearest thousand gives a result of 10 000 ? .....
- c What is the greatest whole number that if approximated to the nearest hundred gives a result of 9 900 ? .....
- d What is the smallest whole number that if approximated to the nearest thousand gives a result of 30 000 ? .....

#### 8 Complete using suitable digits:

- 261 ≈ 5 000 to the nearest 1 000
- b  $47 \approx 800$  to the nearest 100
- $9 \simeq 0$  to the nearest 100
- d 300 to the nearest 100 74 ~

# **Real Life Problems**

#### Example.

Five trucks were loaded with cement packets. If each truck had a load of 475 packets, Find the number of packets approximating the result to the nearest hundred.



The number of packets =  $5 \times 475 = 2375 \approx 2400$  packets.



A primary school has 15 classes.
Each class has 31 pupils.
Calculate the total number of pupils approximating the result to the nearest hundred.



Sally bought a blouse for L.E. 25.3, a bag for L.E. 35.7 and a pair of shoes for L.E. 85
How much money did she pay

approximated to the nearest ten?



The human heart, during the sport exercises, pumps 7 litres of blood in one minute. How many litres of blood does the heart pump in 30 minutes, approximating to the nearest hundred?



A box contains 36 pieces of soap.
Find the number of pieces ina 15 boxes approximating the result to the nearest hundred.



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسوي

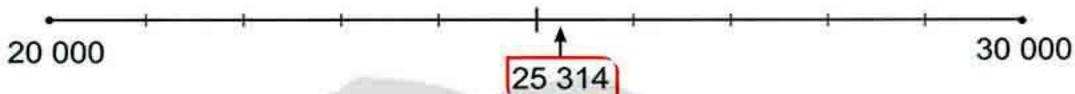


#### Approximating to the nearest ten thousand or the nearest hundred thousand

From the school book

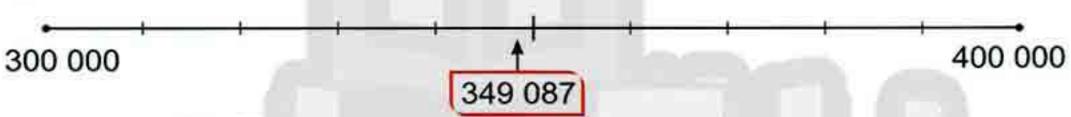
Notice the position of each of the following numbers on the number line, then complete:

а

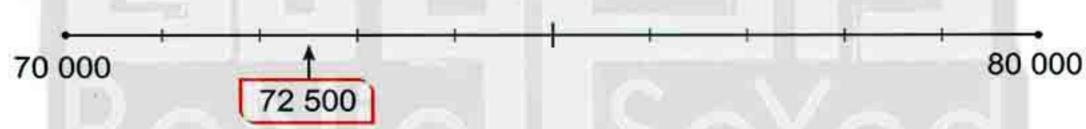


25 314 ≃ ······ to the nearest ten thousand.

b

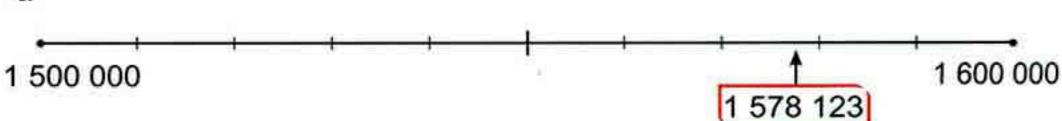


349 087 ≈ ..... to the nearest hundred thousand.



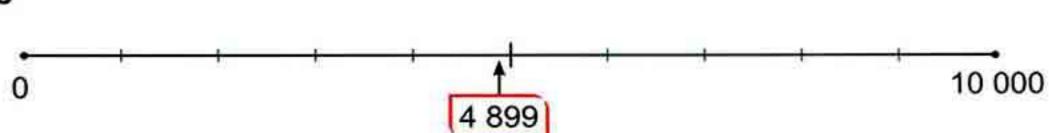
72 500 ≈ ..... to the nearest ten thousand.

d

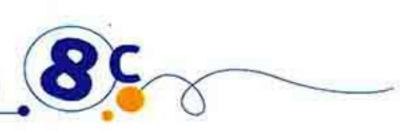


1 578 123 ≃ ······ to the nearest hundred thousand.

e



4 899 ≃ ····· to the nearest ten thousand.



2 Approximate each of the following numbers to the nearest 10 000:

a □ 153 876 ≃ ······

**b** 547 218 ≃ ······

c 9 256 ≃ ······

d 42 633.15 ≃ ······

e 5 000 ≃ ······

f □ 65 432.1 ≃ ······

g 🛄 10 500 ≃ ······

h 999 ≃ .....

2 050 ≃ .....

k □ 8 943.52 ≃ ······

1 □ 236 849.99 ≃ .....

m 5.962 ≃ ·······

n 991 234 = .....

Approximate each of the following numbers to the nearest 100 000:

a 872 514 ≃ ·····

**b** 507 614 ≃ ······

d □ 1 234 578.9 ~ ······

e 99 897.5 ≃ ·······

f 92 752.64 ≃ ··············

h 19 980 ≃ ·····

7 358 ≃ .....

j □ 61 950 000 ≃ ······

k 🛄 87 654 321 ≃ ······

1 50.009 ≃ .....

m 🛄 999 999 ≃ .....

Choose the correct answer:

a 15 674 ≃ ..... (to the nearest 10 000)

(20 000 or 15 000 or 16 000)

**b** 249 108 = ..... (to the nearest 100 000)

(100 000 or 200 000 or 24 000)

(1000 or 10000 or 100000)

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة



(1000 or 10000 or 100000)

- e 1 217 ≃ ..... (to the nearest 10 000) (1 000 or 0 or 1 200)
- Find the result of each of the following operations, then approximate the result in each of the following case:
  - a 7 842 + 12 715 = ..... ≥ ..... to the nearest ten thousand.
  - **b** 87 540 5 999 = ..... ≈ ..... to the nearest ten thousand.
  - c 18 395 + 970 406 = ..... ≥ ..... to the nearest hundred thousand.
  - d 122 406.7 49 618.13 = ..... ≥ ..... to the nearest hundred thousand.
  - e 57 482.53 + 6 680.364 = ..... ≃ ..... to the nearest hundred thousand.
  - f 37 805.8 21 947.004 = ..... ≃ to the nearest ten thousand.
- 6 Answer the following:
  - a What is the smallest whole number that if approximated to the nearest ten thousand gives a result of 40 000 ?
  - b What is the greatest whole number that if approximated to the nearest ten thousand gives a result of 20 000 ?
  - c What is the smallest whole number that if approximated to the nearest ten thousand gives a result of 10 000?
  - d What is the greatest different digits whole number that if approximated to the nearest hundred thousand gives a result of 98 500 000 ? ......
  - What is the smallest different digits whole number that if approximated to the nearest ten thousand gives a result of 21 060 000 ? ......

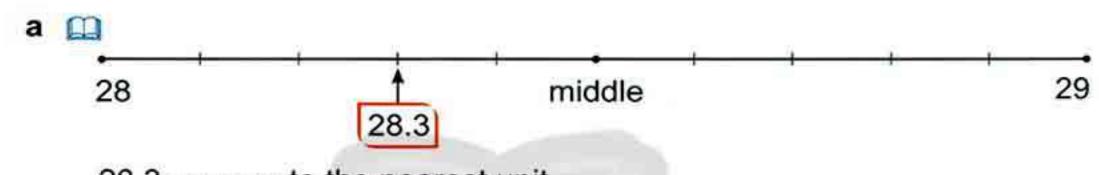
العدامير رياضيات لغات / ٤ ايندائي / تيرم ٢ (٢ : ١٣)



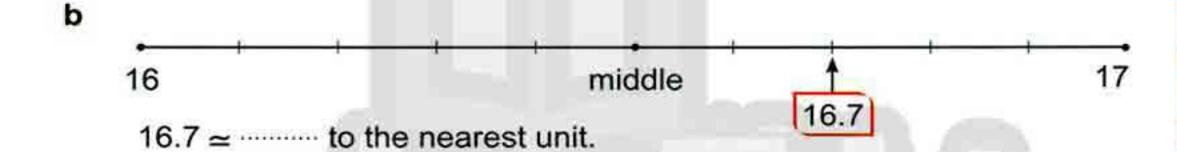
#### Approximating to the nearest unit

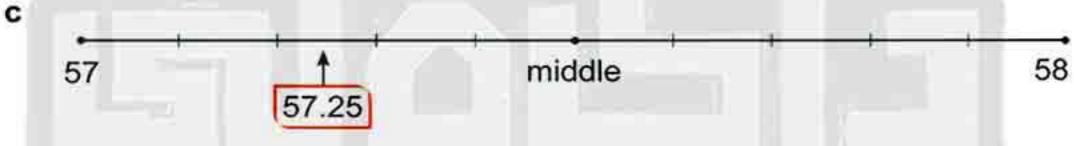
From the school book

Notice the position of each of the following numbers on the number line, then complete:

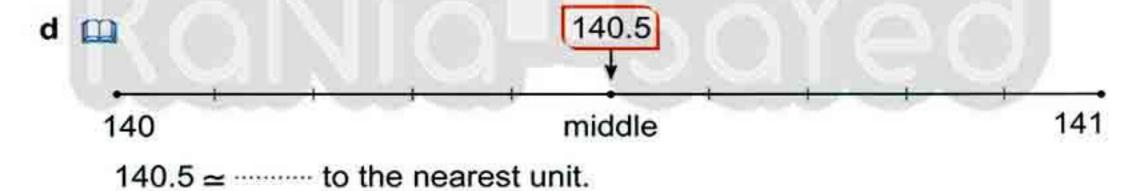


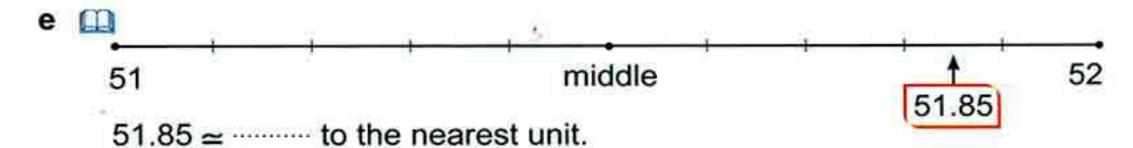
28.3  $\simeq$  ······ to the nearest unit.





57.25 ≈ ····· to the nearest unit.





0.689 0.689 ~ ..... to the nearest unit.

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق



#### 2 Approximate each of the following numbers to the nearest unit:

a 2.7 ≃ ·······

**b** 3.1 ≃ ········

c <u>□</u> 53.5 ≃ ·······

d 7 105.09 ≈ ······ e 28 147.801 ≈ ····· f 0.215 ≈ ······

g 0.512 ≃ ······· h 9.9 ≃ ·······

i □ 10.1 ≃ ········

j □ 624.09 ≃ ······· k □ 600.601 ≃ ······ l □  $\frac{7}{10}$  ≃ ·······

**n**  $0.009 \simeq \dots$  **o**  $\square$   $967 \frac{3}{4} \simeq \dots$ 

m <u>□</u>3/5 ~ ········

**p**  $0.999 \simeq \cdots$  **q**  $5\frac{2}{9} \simeq \cdots$ 

 $r \quad 3 \quad \frac{5}{8} \simeq \cdots$ 

s 7 ½ ≃ ········

 $t \ 2\frac{73}{100} \simeq \cdots$ 

u 7/2 ≃ ········

#### Choose the correct answer:

a 14.6 ≈ ······· (to the nearest unit)

(14 or 15 or 14.5)

**b** 158.3 ≈ …… (to the nearest ten)

(158 or 150 or 160)

c 25.49 ≃ …… (to the nearest unit)

(26 or 25 or 25.5)

d 0.947 ≃ …… (to the nearest unit)

(1 or 0 or 10)

e 999.9 ≈ ..... (to the nearest unit)

(990 or 999 or 1000)

f The number 254 is the approximation of ..... (to the nearest unit)

(254.6 or 253.1 or 253.9)

 $g = \frac{20}{3} \simeq \cdots$  (to the nearest unit)

(6.6 or 6 or 7)

h 652 to the nearest thousand ----- 989.88 to the nearest unit. ( < or = or > )

97.75 m. ≈ ······ (to the nearest metre)

(100 or 97 or 98)

j 3 187 cm. ≃ ······ (to the nearest metre)

(32 or 31 or 3)

k 39 days ≃ ······ weeks. (to the nearest week)

(5 or 6 or 7)

140 minutes ≈ ······ hours.

(1 or 2 or 3)

m 90 hours ≃ ······ days. (to the nearest day)

(4 or 3 or 5)



n P.T. 7 085 ≈ L.E. ....

(71 or 70 or 708)

39 months ≃ … years.

(2 or 3 or 4)

p If the distance between two cities is 4 800 m.

this approximately equals ..... km.

(5000 or 5 or 4)

4 Find the result of each of the following operations, then approximate the result to the nearest whole number:

5 Approximate to the nearest km.:

6 Approximate to the nearest L.E.:



- **c** L.E. 759  $\frac{3}{5} \simeq$  L.E. ....
- d P.T. 25 615 ≈ L.E. ....
- e L.E. 537.6 ≈ L.E. ....
- f P.T. 569 425 ≈ L.E. ....
- 7 Approximate to the nearest hour :
  - a 5 hr. and 15 min. ≃ ······ hr.
- **b** 2 hr. and 35 min. ≃ ······ hr.
- c 7 hr. and 30 min. ≃ ...... hr.

#### **Real Life Problems**

The monthly salary of an employee is L.E. 700.35, if he spends L.E. 425 of it.

How much money does he save every month



Waleed bought a pair of trousers for L.E. 89.6 and a shirt for L.E. 30.75, if he gave L.E. 200 to the shopkeeper. How much change remained with Waleed approximating the result to the nearest pound?

approximating to then earest L.E.?



Calculate the perimeter of a triangle, given that its sides are of lengths 67.8 cm., 15.9 cm. and 73.2 cm. approximating the result to the nearest metre.

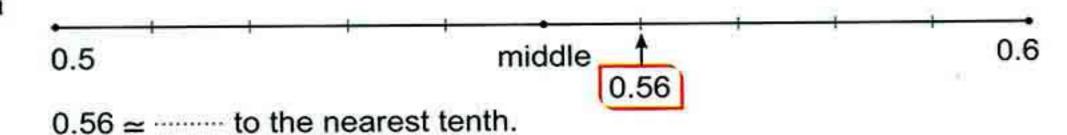
# xercise

#### Approximating to the nearest tenth

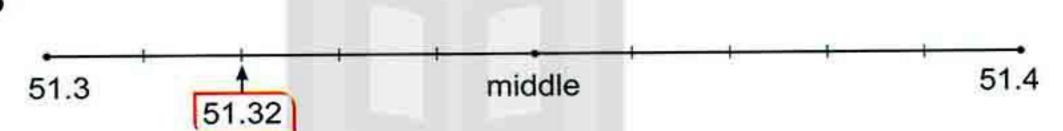
From the school book

Notice the position of each of the following numbers on the number line, then complete:

а

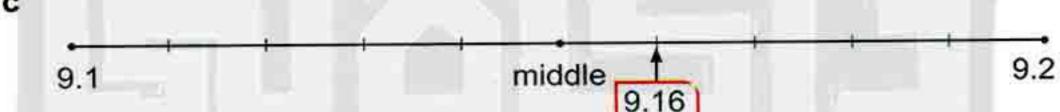


b



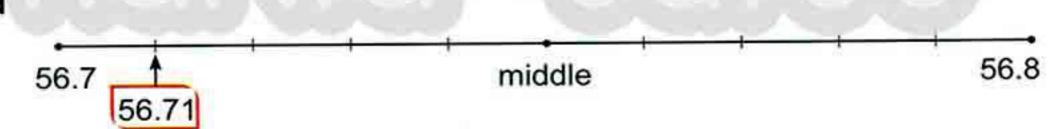
51.32 ≈ ····· to the nearest tenth.

C



9.16 = ..... to the nearest 1 decimal place.

d



56.71 ≈ ······ to the nearest tenth.

Determine the position of each of the following numbers on the number line, then complete:

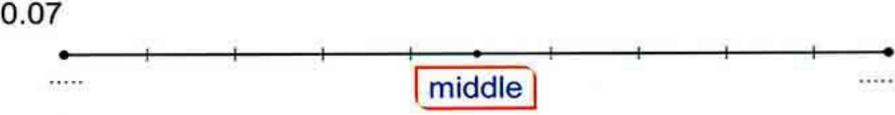
134.29



134.29 ≃ ····· to the nearest tenth.



**b** 70.07



70.07 = ..... to the nearest 1 decimal place.

# 3 Approximate each of the following numbers to the nearest 1 decimal place :

$$m \frac{1}{8} \simeq \cdots$$

q 
$$1 = 449 \frac{3}{4} = \dots$$

#### 4 Choose the correct answer:

**b** 
$$53.825 \simeq \cdots$$
 (to the nearest  $\frac{1}{10}$ )

c 17.947 = ..... (to the nearest 1 decimal point) (17.95 or 17.9 or 18)



g 
$$14\frac{3}{7} \simeq 10$$
 to the nearest .....

(unit or 10 or tenth)

(39.9 or 40 or 39.1)

# Find the result of each of the following operations, then approximate the result to the required approximation:

**h** 
$$6.47 + 24.7 + 1.562 =$$
 to the nearest  $\frac{1}{10}$ 

#### 6 Complete with suitable numbers :

	Number	The number approximated to the nearest					
		10 000	1 000	100	10	unit	tenth
а	124 547.259		*******	3000000C	*********	**********	
b	205 138.613	THEFT	14444444	544000000000000000000000000000000000000	:::::::::::::::::::::::::::::::::::::::	*********	
С	78 314.501		*******	(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(	***************************************	*********	
d	7 007.499	********	*********	(########)	***********	**********	EXPERIMENTS:
е	320.549	********	******	311111111111111111111111111111111111111	3000000000	manner.	*********
f	288 003.507	********	**********	200000000000000000000000000000000000000	3111111111	***************************************	
g	3.172	*******		(***********	P*************************************		
h	0.008	********	********	**********			



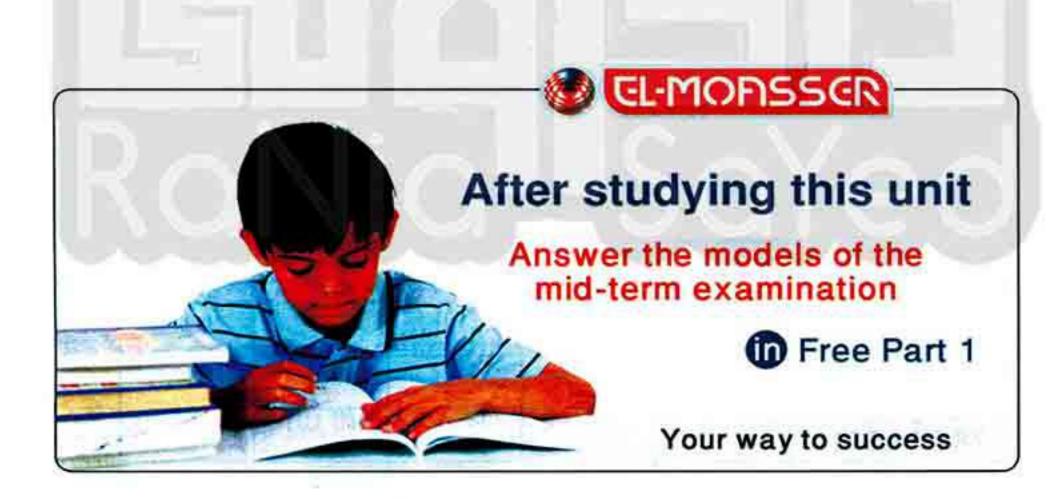
Write each of the required numbers using all the digits 2, 3, 5, 8 and a decimal point to satisfy the following equalities:

#### Example.

 $82.35 \approx 82$  to the nearest whole number.

- **a**  $\sim$  20 to the nearest ten.
- **b**  $\approx$  83.3 to the nearest tenth.
- c = 8 000 to the nearest thousand.
- e 

  ≥ 28.4 to the nearest tenth.





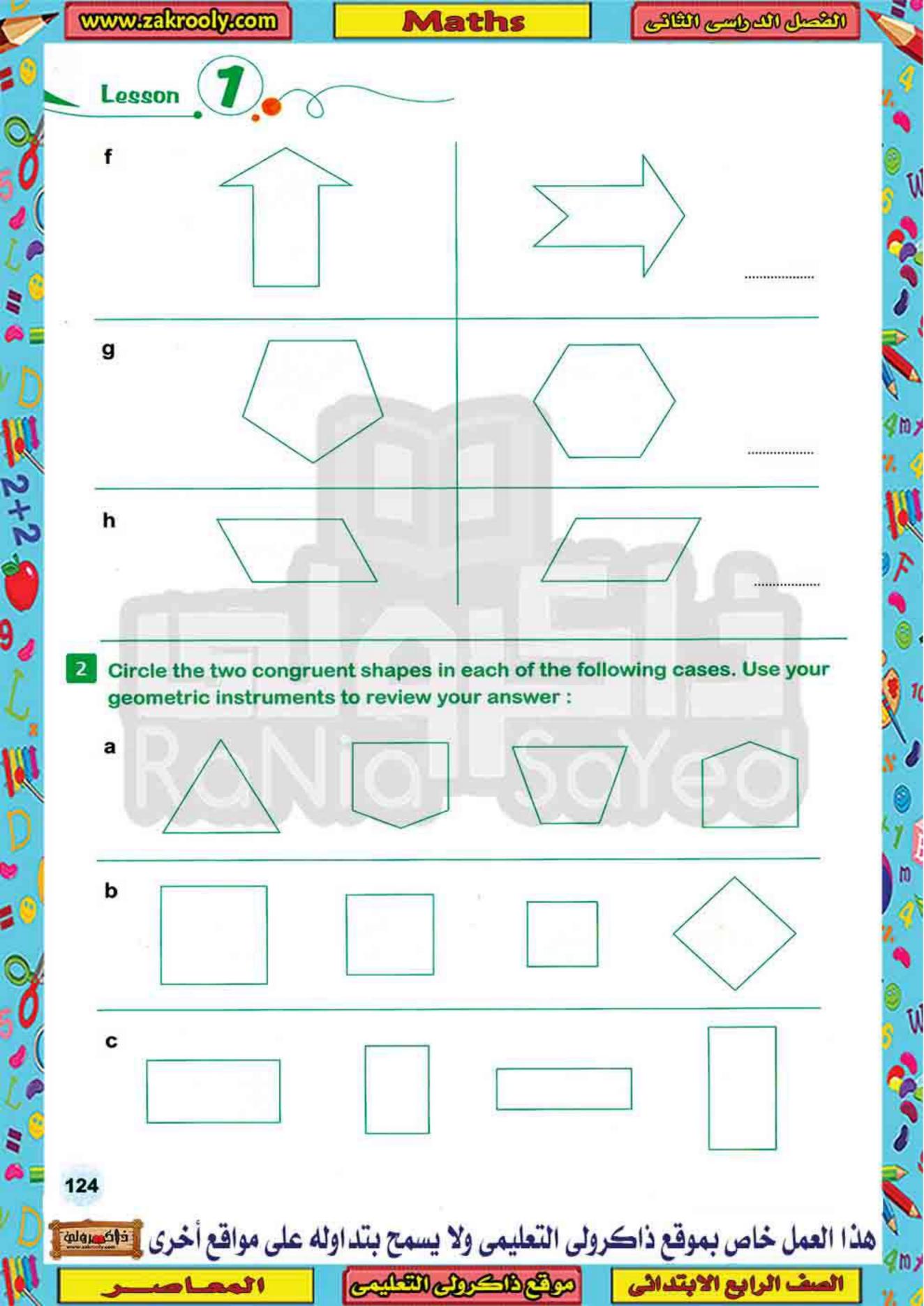
# Congruency

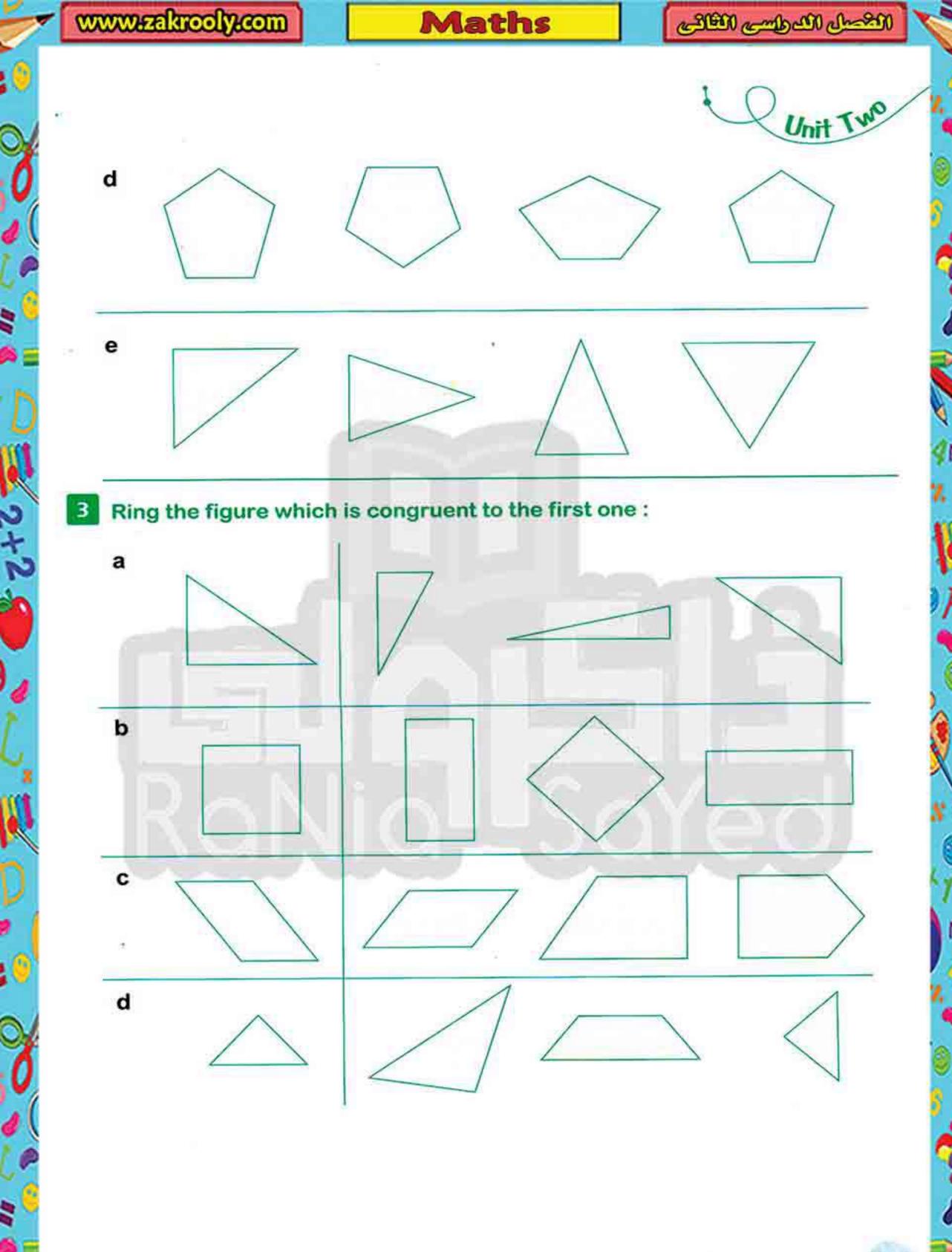
III From the school book

Are the figures congruent? Write Yes or No as in (a):

a Yes b C e

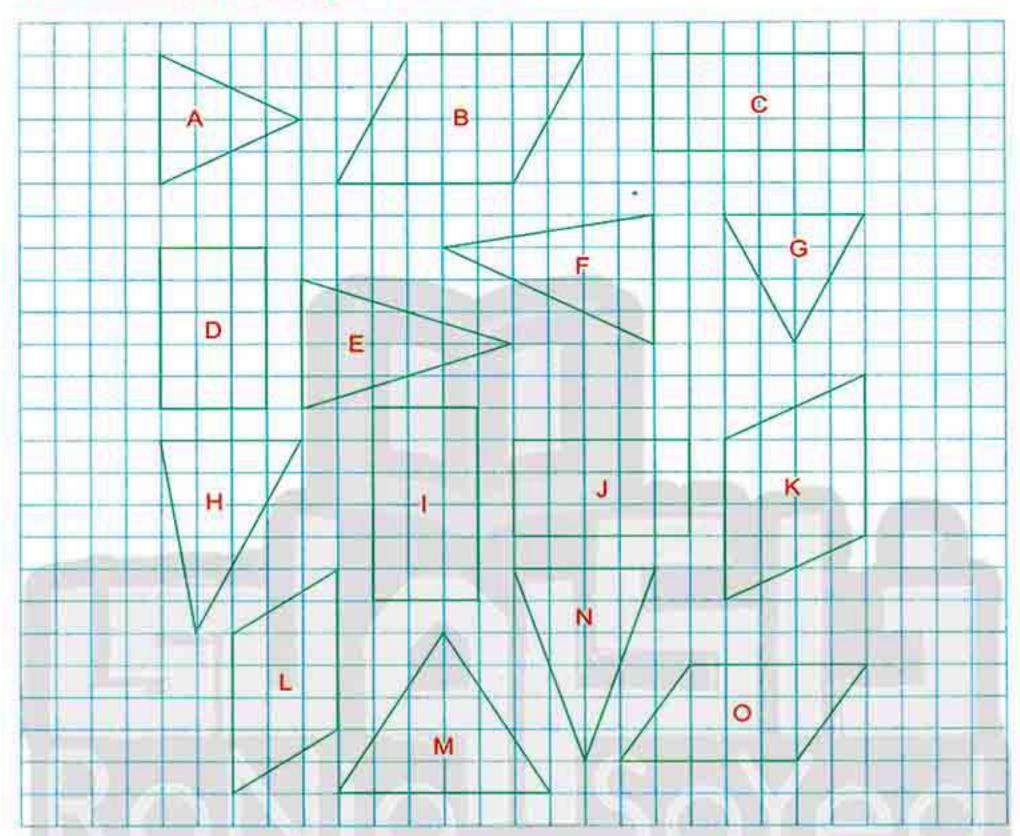
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسولة







Observe the following figures and complete, then use your geometric instruments to review your answer:



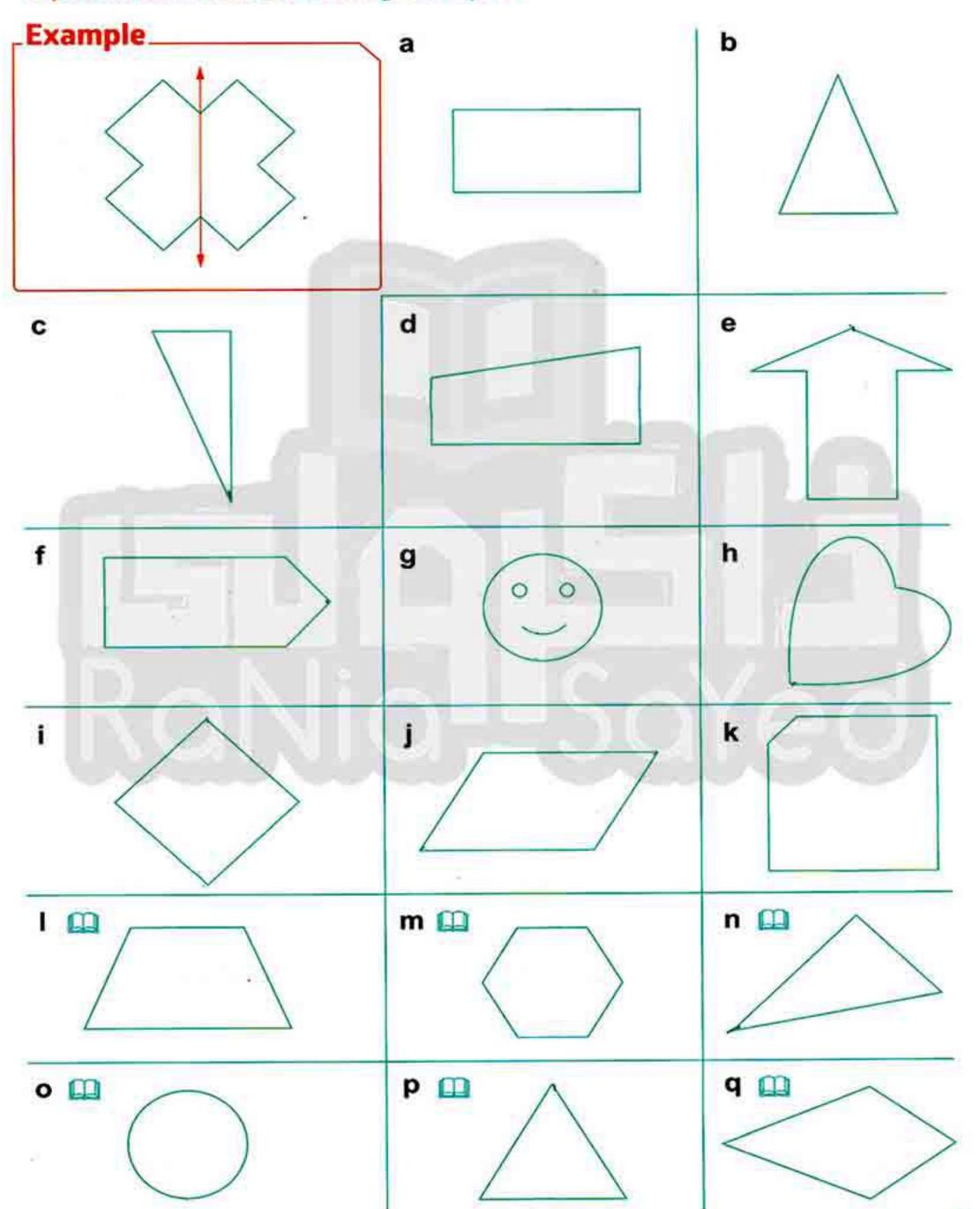
- a The figure ..... is congruent to the figure J
- **b** The figure ..... is congruent to the figure A
- c The figure ..... is congruent to the figure F
- d The figure ..... is congruent to the figure K
- e The figure ..... is congruent to the figure O
- The figure ..... is congruent to the figure C
- The figure ..... is congruent to the figure N

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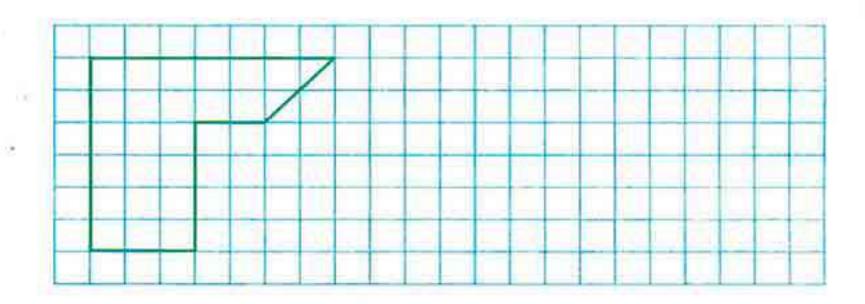
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



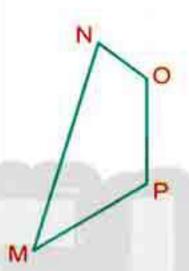
Draw a line in each of the following figures, to get two congruent figures if possible as in the following example:

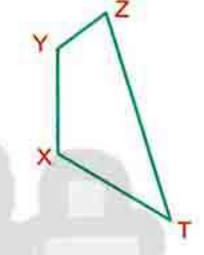




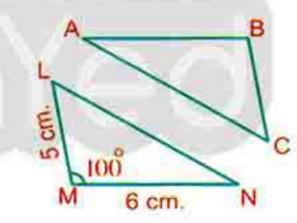


# If the two opposite figures are congruent, complete:

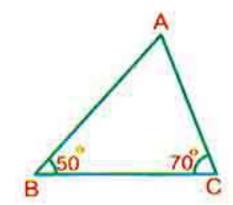


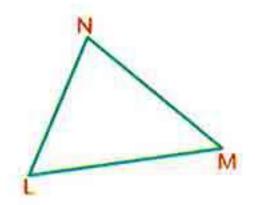


# 8 In the opposite figure : if $\triangle$ LMN $\equiv \triangle$ CBA , complete :



#### In the opposite figure : if $\triangle$ ABC $\equiv$ $\triangle$ LMN , complete :

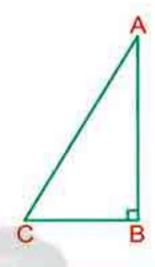


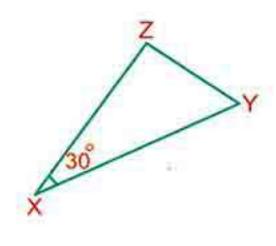


العدائل / تيرم ٢ (٩: ١٧)

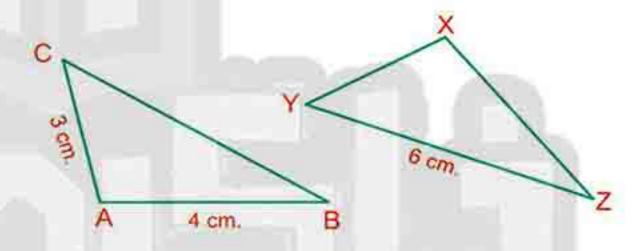


# In the opposite figure : if $\triangle$ ABC $\equiv$ $\triangle$ XZY , complete :

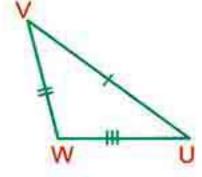


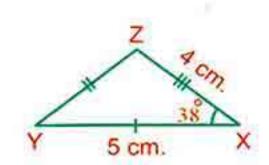


# In the opposite figure : if $\triangle$ ABC $\equiv$ $\triangle$ XZY , complete :



## 12 In the opposite figure, complete:







## 13 Complete:

- a Two polygons are congruent if their corresponding sides are ...... in length and their corresponding angles are ..... in measure.
- **b** Two squares are congruent if the side length of one of them is ......to the side length of the other.
- c Two rectangles are congruent if two dimensions of one of them are to the two dimensions of the other.
- d Any two triangles are congruent if each ...... is congruent to its corresponding side in the other triangle.
- e A diagonal of the rectangle divides it into two ..... triangles.
- f If  $\triangle$  ABC  $\equiv$   $\triangle$  RST, then  $\angle$  B  $\equiv$   $\angle$  .....
- g If  $\triangle$  ABC  $\equiv$   $\triangle$  DEF, then  $\overline{BC}$   $\equiv$  .....
- h The square of side length 4 cm. is congruent to the square whose area is ...... cm<sup>2</sup>.
- i The square of side length 5 cm. is congruent to another square whose perimeter is ...... cm.

## 14 Put ( / ) for the correct statement and (x) for the incorrect one :

a Two polygons are congruent if their corresponding sides have the same length.



- **b** Two polygons are congruent if their corresponding angles have the same measure.
- c Two squares are congruent if the side length of one of them equals the side length of the other.
- d Two rectangles are congruent if the two dimensions of one of them equal the two dimensions of the other.
- e 🕮 A scalene triangle can be congruent to an isosceles triangle. ( )
- f A square of side length 7 cm. can be congruent to a rectangle of dimensions 7 cm. and 5 cm.
- g Two triangles are congruent if each side length of one of them equals the corresponding side length of the other.
- h Any two equilateral triangles are congruent. ( )
- i Any two squares are congruent. ( )
- j Two triangles are congruent if the measures of the angles of one of them are equal to the corresponding parts of the other.

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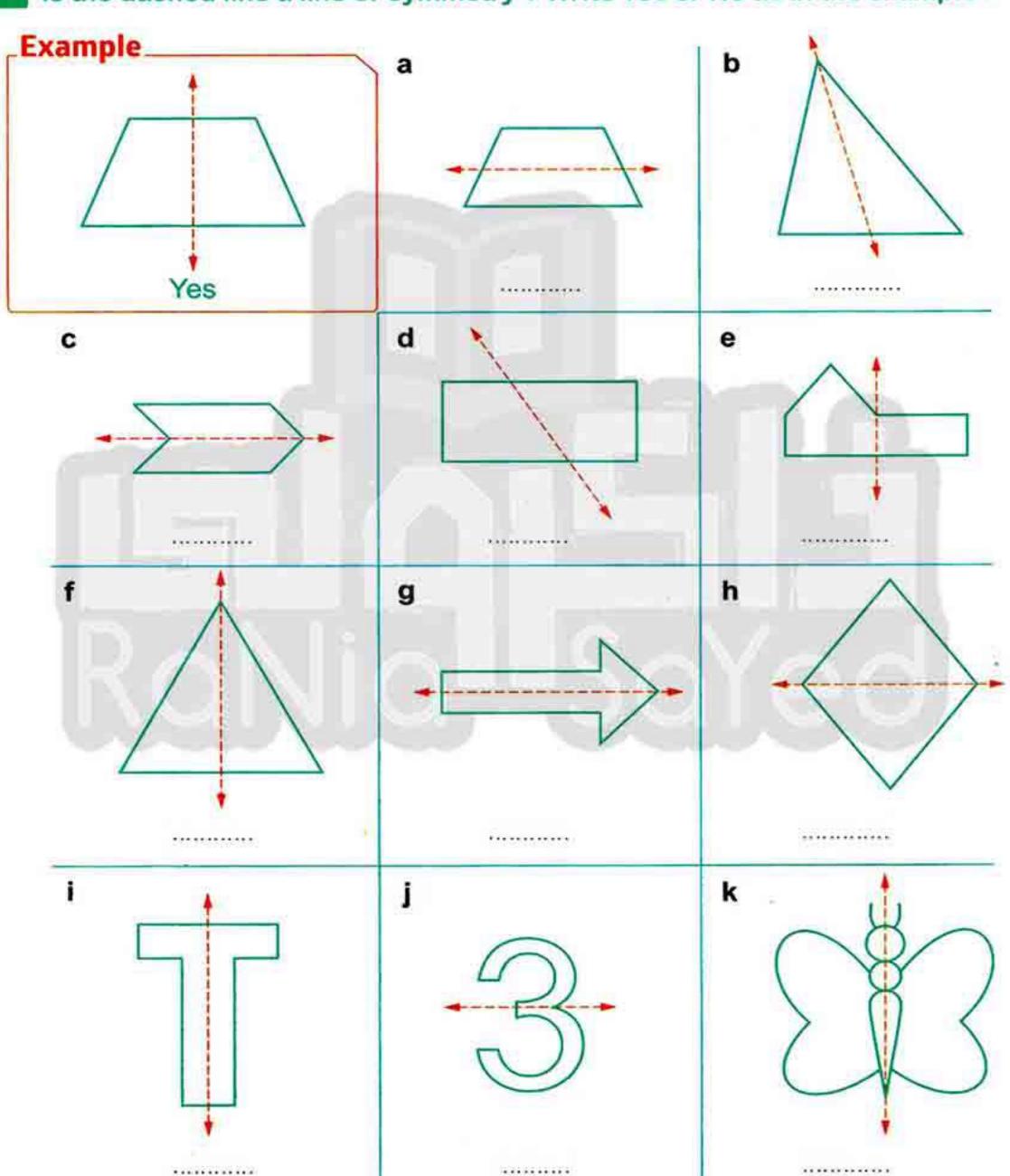
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق



# Symmetrical figures and lines of symmetry

From the school book

1 Is the dashed line a line of symmetry? Write Yes or No as in the example:

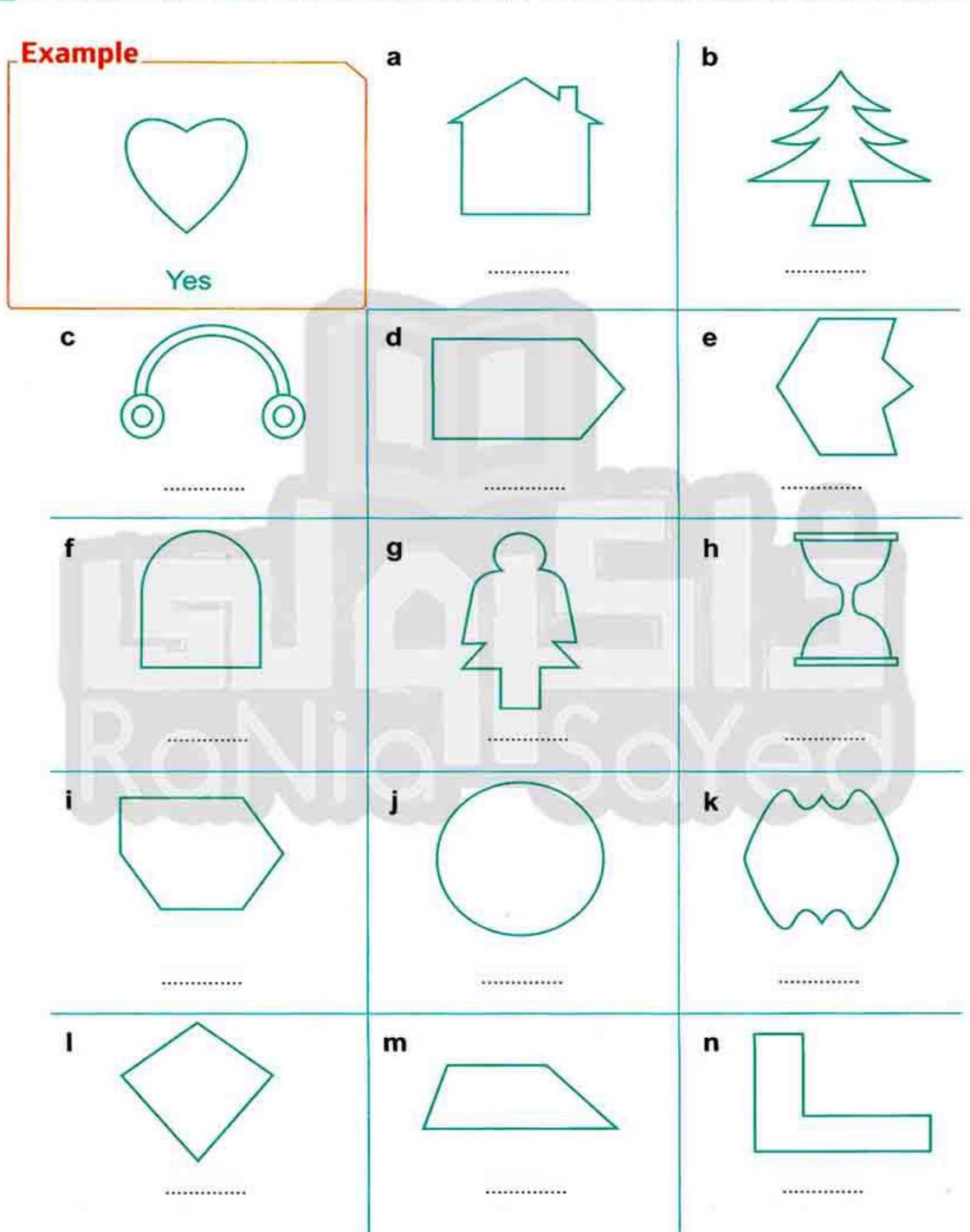


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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعسول

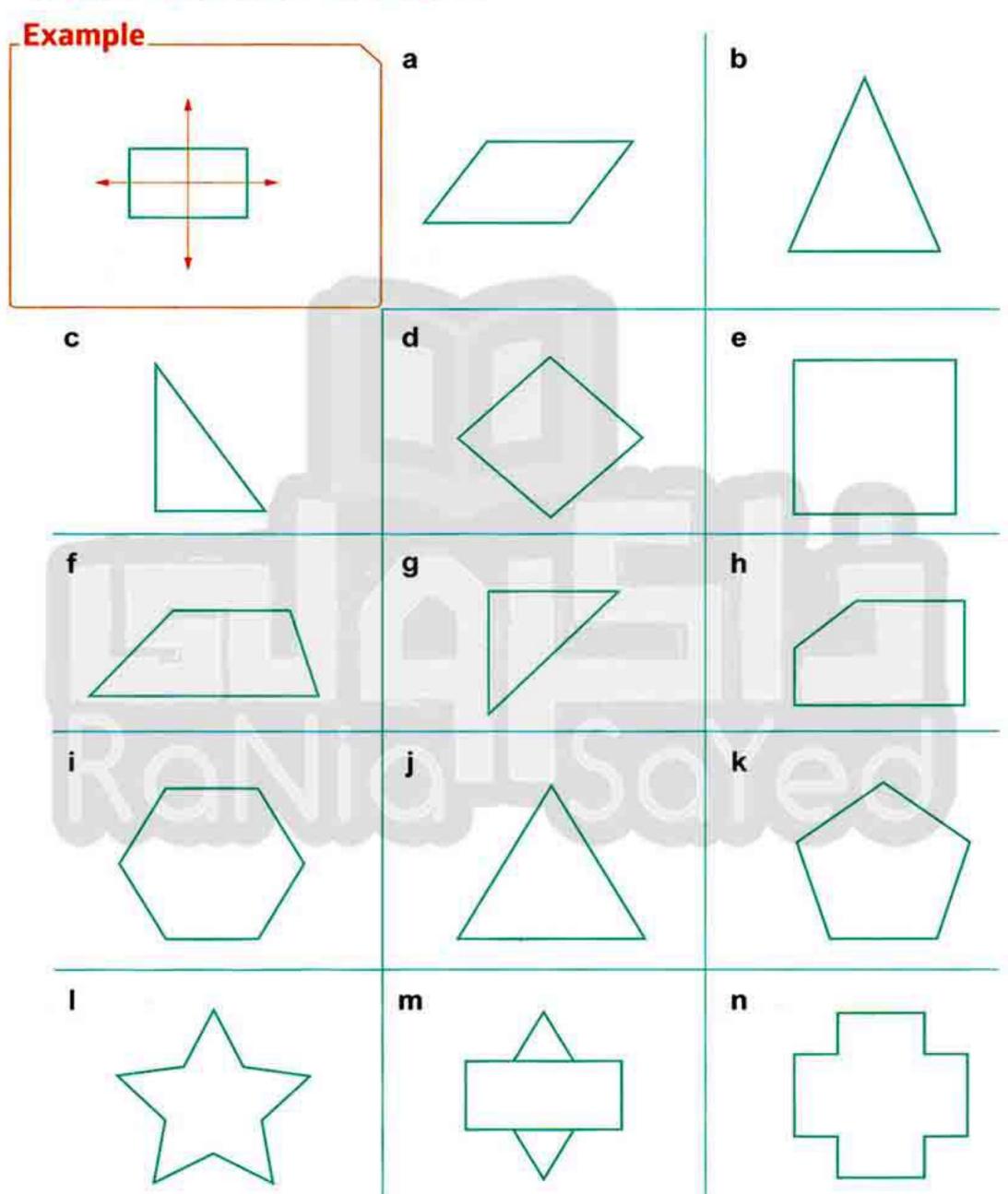


Does the figure have a line of symmetry? Write Yes or No as in the example:



المحاصد رياضيات لغات /٤ ابتدائي / تيرم ٢ (٩ : ١٨)

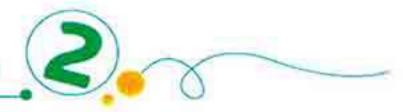
In each of the following, if the figure is symmetrical, then draw all the lines of symmetry to it as in the example :



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسولة

- c The isosceles trapezium has ..... line(s) of symmetry.
- **d** The square has ..... line(s) of symmetry.



- e The rectangle has ——— line(s) of symmetry.
- The rhombus has .....line(s) of symmetry.
- The regular pentagon has """ line(s) of symmetry.
- The regular hexagon has ——— line(s) of symmetry.
- A diagonal of the rectangle divides it into two ..... triangles, but it is not ..... for the rectangle.

#### Choose the correct answer:

- (2 or 0 or 1) a The scalene triangle has ---- line(s) of symmetry.
- (4 or 2 or 0) **b** The parallelogram has ----- line(s) of symmetry.
- Which of these figures has the greater number of lines of symmetry?

(square or equilateral triangle or rectangle)

- d This figure has ---- line(s) of symmetry. (0 or 1 or 5)
- (4 or 1 or 2) This figure has ---- line(s) of symmetry.
- This figure has ---- line(s) of symmetry. (0 or 2 or 1)
- (1 or 0 or 2) This figure / has .....line(s) of symmetry.
- h In the opposite letters : which ones have only one line of symmetry ?-----

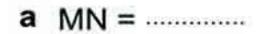
(Kand X or Band F or Kand B)

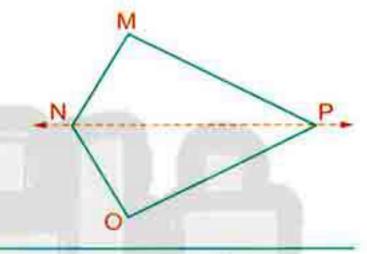
# Put ( / ) for the correct statement and (x) for the incorrect one and correct the wrong statement:

a The line of symmetry of a figure is that line dividing it into two congruent parts.

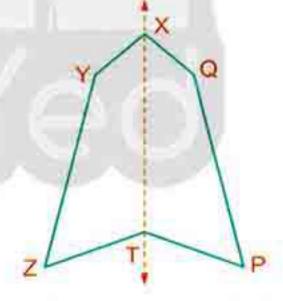


- The parallelogram has four lines of symmetry.
- c The rectangle has four lines of symmetry.
- The scalene triangle has three lines of symmetry.
- The isosceles trapezium has one line of symmetry.
- The square has four lines of symmetry.
- The rhombus has four lines of symmetry.
- In the opposite figure, the dashed line is a line of symmetry. Complete:

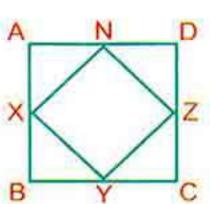




9 In the opposite figure, the dashed line is a line of symmetry. Complete:



- 10 In the opposite figure, ABCD is a square with midpoints of its sides X, Y, Z and N, notice the figure, then answer the following questions:
  - a Draw a common line of symmetry for the two squares.
  - **b** How many common lines of symmetry are there (2 or 4 or 6) for the two squares?





# Visual patterns

From the school book

#### 1 Discover the rule and find the next one:

- a \_\_\_\_\_\_\_

- h ABC ABC ABC .....
- i SSTASSTASS .....
- j 🛄 AB , ABB , ABBB , AB , ABB , ..... , ........
- k RMMCRRMMCRRMMCR .....
- m A,Z,B,Y,C,X, .....
- n \( \bigcup \lefta \le
- 0 🛄 + + + + + ......



- \_\_\_\_ + × + × × + × × × + ......

- t
- u 🗡 🧎 .....







# 2 Discover the rule, then complete:

- a 6,13,20,27,.....,
- **b** 5,9,13,17,.....
- c 1,2,4,8,16,.....,
- d 1,3,9,27,.....,...
- e 2,7,4,9,6,11,.....
- f 12,9,6,.....
- $g = \frac{1}{3}, \frac{2}{9}, \frac{4}{27}, \dots, \dots$

#### Discover the rule, then complete:

- 17.1, 17.2, 17.3, .....
- 16.4, 16.8, 17.2, ....., .....
- <u>10</u>, 9.6, 9.2, ....., , .....
- 1.2, 2.3, 3.4, ....., , .....
- 2.2 , 3.3 , 4.4 , ..... , ..... , .....
- 12.3, 23.4, 34.5, ....., , ......



# Activities from the school book

#### Activity

In each of the following figures, discover the pattern, then complete by drawing one figure that follows the same pattern:

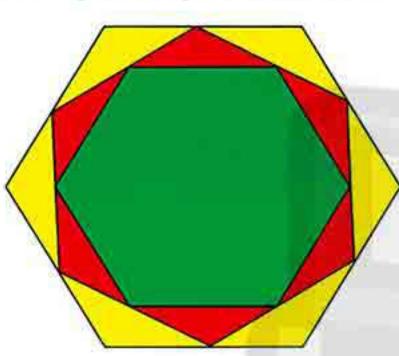


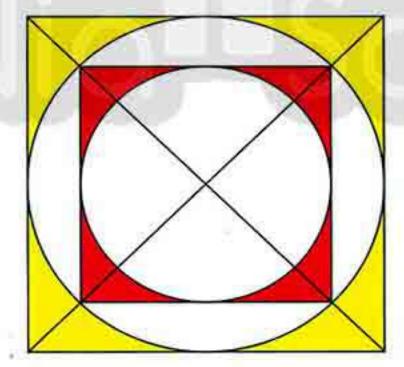
Figure (1)



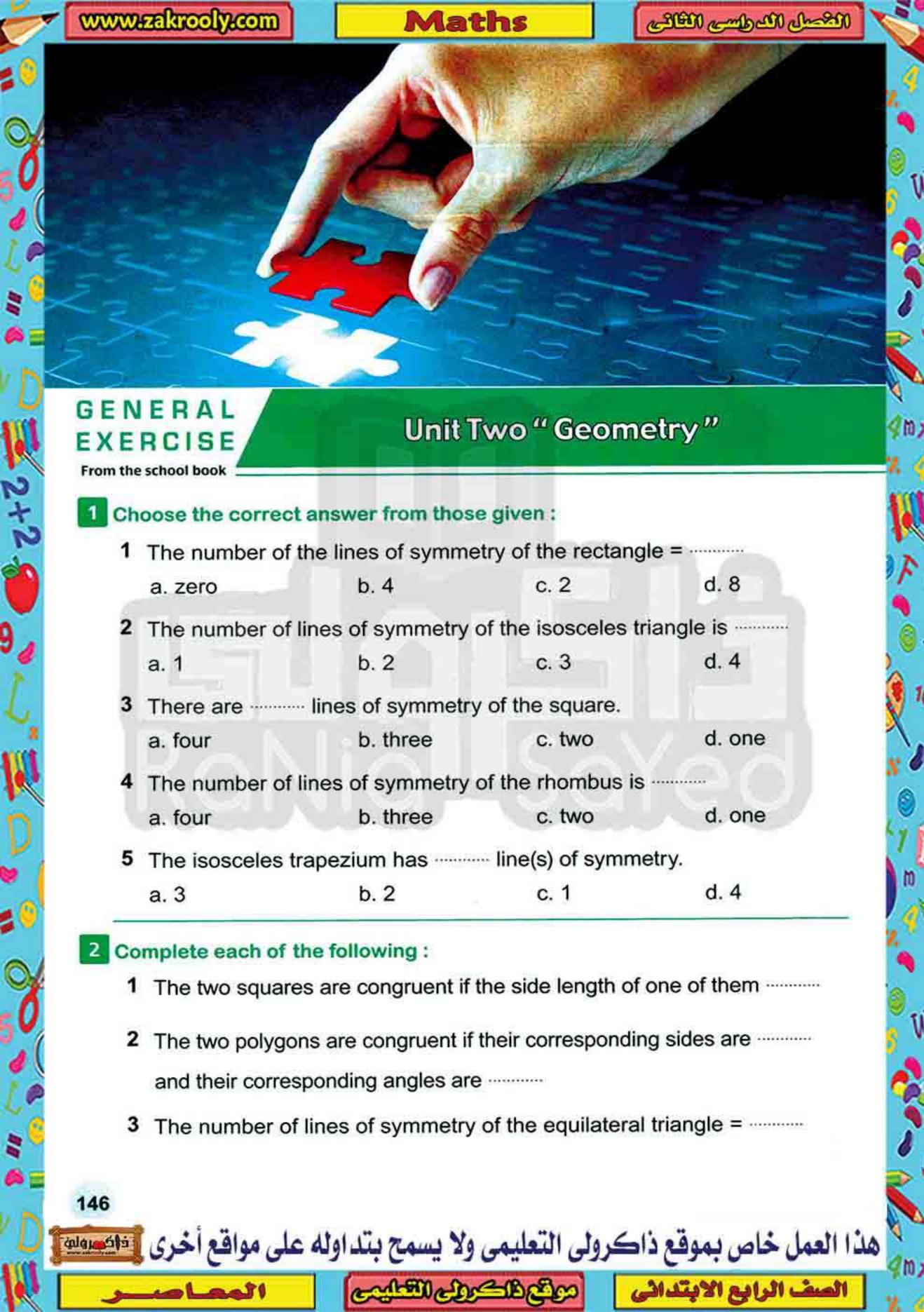
Figure (2)

# Activity 2

Discover the pattern, then draw two figures and complete colouring according to the pattern:

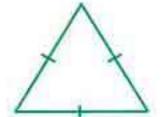


الم الم رياضيات لغات / ٤ ابتدائي / تيرم ٢ (١٠ : ١٩)





- The rhombus is a ..... figure, its sides are .....
- In the opposite figure: The number of lines of symmetry equals .....



- 6 10,9.6,9.2,....
- There are ..... lines of symmetry in the square.

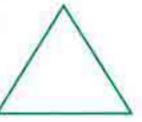
## 3 Put the suitable relation (<, > or =):

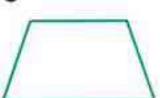
- the number of The number of lines of symmetry in the square lines of symmetry in the rectangle.
- the number of The number of lines of symmetry of the square lines of symmetry of the rhombus.

#### 4 Put ( / ) for the correct statement and (x) for the incorrect one :

- It is possible that an acute-angled triangle is congruent to a right-angled triangle.
- The parallelogram has four lines of symmetry.
- 3 It is not enough that the two polygons are congruent if the corresponding sides are equal in length only.
- 4 The square has 4 lines of symmetry.
- 5 20, 17, 14, 11 is a pattern of decreasing by 3
- The rectangle has four lines of symmetry.

# Draw the lines of symmetry of each of the following shapes:





# **Test on Unit Two**



# Choose the correct answer from the given ones:

- 1 The rhombus has ..... lines of symmetry. (4 or 2 or 1 or 0)
- 2 If  $\triangle ABC \equiv \triangle XYZ$ , then  $\overline{AB} \equiv \cdots (\overline{XY} \text{ or } \overline{YZ} \text{ or } \overline{XZ} \text{ or } \overline{BC})$
- 3 If the polygon ABCD 

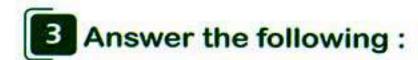
  ≡ The polygon LMNO , (A or B or C or D) then  $\angle N \equiv \angle \cdots$
- ( ✓ or X ) 4 The parallelogram has four lines of symmetry.
- (in the same pattern)
  - $(\Box)$  or  $\triangle$  or  $\triangle$ )
- 6 The number of lines of symmetry of the isosceles triangle is ......
- 7 The square of side length 7 cm. is congruent to another square whose (7 or 14 or 28 or 35) perimeter is ..... cm.
- The number of lines of symmetry of the square the number of lines of symmetry of the rectangle. (> or = or <)

# Complete each of the following:

- 9 Two polygons are congruent if their corresponding ..... are equal in length and their corresponding angles are ..... in measure.
- 10  $\frac{1}{3}$ ,  $\frac{2}{9}$ ,  $\frac{4}{27}$ , ...... (in the same pattern)
- 11 The isosceles trapezium has ..... line(s) of symmetry.
- 12 If  $\triangle$  ABC  $\equiv$   $\triangle$  XYZ, then AC = ......

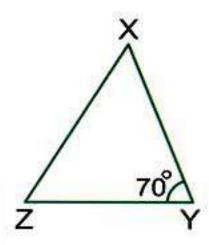
(1 or 2 or 3 or 4)

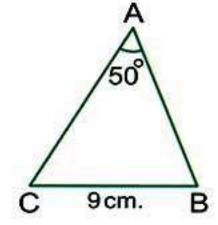




#### 13 In the opposite figure:

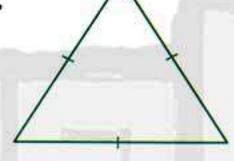
If  $\triangle$  ABC  $\equiv$   $\triangle$  XYZ, then complete:





## 14 Draw the lines of symmetry of the following shapes:

a.



b.



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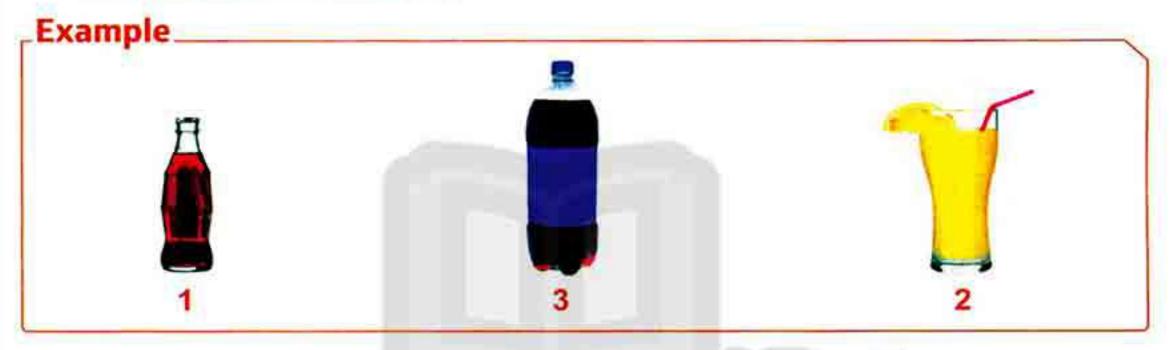
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



# Capacity

From the school book

1 Arrange the following objects from the smallest capacity to the greatest capacity as in the example:





C







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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والصواقة



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة



(-----)

3	Choose the suitable measuring unit for each of the following.
	Write litre or millilitre as in (a):

а	Medicine in a spoon	(millilitre)	b	Juice in a glass	(
С	Medicine in a bottle	()	d	Water in a washing machine	(
е	Water in an aquarium	()	f	Shampoo in a bottle	<b>(</b>
g	Milk in a baby's bottle	()	h	Gasoline in a car	<b>(</b> ······
į	Water in a swimming p	oool			(
j	Water in a mug	()	k	Paint in a bucket	(
Ī	The amount of water u	ised by a p	ers	on for bathing	(

## 4 Choose the answer nearest to the correct from between brackets:

a The amount of water in a small cup of water .....

m The amount of juice in a family-size can

(3 millilitres or 150 millilitres or 700 millilitres)

b The amount of medicine in a small ampule ......

(15 millilitres or 150 millilitres or  $\frac{1}{4}$  litre)

c The amount of water necessary for washing a car .....

 $(\frac{1}{2} \text{ litre or } 15 \text{ litres or } 150 \text{ litres})$ 

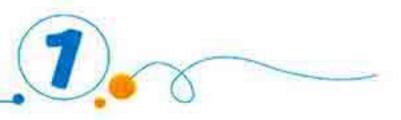
d The amount of water necessary for washing two dishes ......

( 1 500 millilitres or 50 millilitres or 20 litres )

e The amount of water for filling a bottle ......

(5 millilitres or 1 500 millilitres or 20 litres)

15 الحاصد رياضيات لغات /٤ ابتدائي / تيرم ٢ (٢٠: ٢٠)



The amount of milk used by a family of four persons is ......

(500 litres or 2 000 millilitres or 50 litres)

g What is the capacity of a glass of water? .....

(3 litres or 25 litres or 250 millilitres)

h III Eman bought a bottle of medicine of capacity .....

 $(\frac{1}{5} \text{ litre or 2 litres or 1 000 millilitres})$ 

We have a water tank of capacity .....

(200 millilitres or 50 litres or 50 millilitres)

I used about ..... of water in bathing today.

(50 litres or  $\frac{1}{2}$  litre or 10 litres)

## Complete as in (a):

a 2 litres = 2 000 millilitres.

**b** 6 litres = ..... millilitres.

c 4 000 millilitres = ······· litres.

d 🛄 20 litres = ······ millilitres.

1 7 000 mL = ······ L

f  $\square$   $7\frac{1}{2}$  litres = ..... millilitres.

g 1 400 mL = ..... L

h 1 205 mL = ..... L

i 🛄 20 mL = ..... L

 $j = 1\frac{1}{4} L = \dots mL$ 

k 24 L = .... mL

 $1.5\frac{1}{2}L = \dots mL$ 

m 10 000 mL = ..... L

n ...... L = 3 500 mL

o 8 500 mL = ..... L

p ..... L = 9 750 mL

**q** 2 dm<sup>3</sup> = ..... mL

r 7 litres = ..... cm<sup>3</sup>



#### Choose the correct answer:

(cm. or litre or m.) a The unit of measuring capacity is ......

(1 cm<sup>3</sup> or 1 dm<sup>3</sup> or 100 cm<sup>3</sup>) **b** 1 litre = ......

(1000 or 100 or 1) c 1 millilitre = ..... cm<sup>3</sup>.

(9 or 90 or 0.9) d 900 millilitres = ······· litres

(82 000 or 820 or 82) e 82 000 millilitres = ..... litres.

 $(675 \text{ or } 67\frac{1}{2} \text{ or } 6\frac{3}{4})$ f 6 750 millilitres = ········ litres.

(0.01 or 0.1 or 0.001) g 10 millilitres = ..... dm<sup>3</sup>.

 $\left(\frac{1}{2} \text{ or } \frac{1}{4} \text{ or } \frac{3}{4}\right)$ h 750 cm3 = ..... L

#### Put (v) for the correct statement and (x) for the incorrect one:

 $a 2 dm^3 = 2 mL$ 

b 7 500 mL = 7.5 L

c 7000 mL = 7 L

**d**  $\square$  1 mL =  $\frac{1}{10}$  L

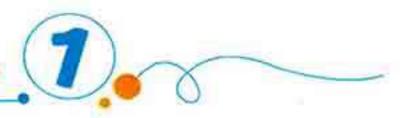
e  $1\frac{1}{4}$  L = 1 250 mL

#### Complete:

a 3 litres, 300 cm3 = ..... mL **b** 3 000 mL, 20 dm<sup>3</sup> = ..... L

**d**  $8\frac{3}{4}$  litres,  $7 \text{ dm}^3 = \dots \text{ mL}$ **c**  $2\frac{1}{4}$  litres, 750 mL = ..... dm<sup>3</sup>.

f 1 900 mL , 1 100 cm<sup>3</sup> = ..... L **e**  $5\frac{1}{2}$  dm<sup>3</sup>, 300 cm<sup>3</sup> = ..... mL



Put the suitable relation (< , > or =):

- a 2 litres 1 500 millilitres.
- b itre 245 millilitres.

c 1 L 1 dm<sup>3</sup>

**d**  $1\frac{1}{4}$  L 1 500 mL

- e 500 mL 1 dm<sup>3</sup>
- f 2 000 cm<sup>3</sup> 2 litres.
- g 1 750 millilitres 3 litre. h 4 000 mL 40 L
- i  $\square$  500 millilitres  $\boxed{\frac{1}{3}}$  litre. j 7 dm<sup>3</sup>  $\boxed{\frac{1}{3}}$  700 cm<sup>3</sup>

k 9 000 mL 10 L

 $\frac{3}{4}$  L 750 dm<sup>3</sup>

10 Circle the greatest measurement in each of the following cases:

- a  $\frac{1}{4}$  litre 301 millilitres 1 litre
- b 4 litres 5 000 millilitres 2 999 millilitres
- c 8 304 millilitres 7 994 millilitres 6 1/2 litres
- d 14 450 millilitres 13 499 millilitres 14 1/2 litres

Arrange the quantities in an ascending order in each of the following cases:

3 000 millilitres, 2 litres and  $3\frac{1}{2}$  litres

The order is: ..... and .....

**b** 10 L, 30 mL, 2000 mL, 30 L and 3 mL

The order is: ........., ........., and .......

c  $2\frac{1}{4}$  L, 2099 mL, 3 L and  $2\frac{3}{4}$  L

The order is: ...... , ..... and .....

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع



- Arrange the quantities in a descending order in each of the following cases:
  - **a** 250 mL, 1 L, 1 250 mL and  $\frac{1}{2}$  L

The order is: ...... , ........ and ......

8.75 litres, 9 000 millilitres, 5 litres and 6 500 millilitres

The order is: ...... , ...... and .....

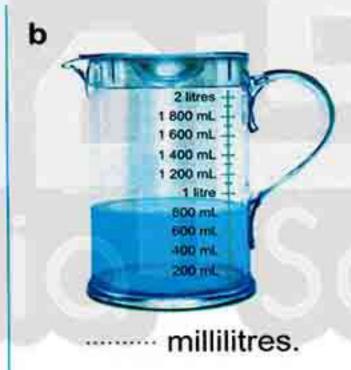
c 10 L, 9 900 millilitres, 12 ½ L and 7 000 cm<sup>3</sup>

The order is: ........ , ........ and ......

The capacity of each of the following measuring cups is 2 litres. How much liquid is in each jug? complete.

a





C



d









The capacity of each of the following measuring cups is 2 litres.

Colour the measuring cup to express the indicated amount:

a



b



C



d



1½litre



 $\frac{3}{4}$  litres



- 15 If 5 drops of water make 1 mL, then how many drops make 1 L?
- 16 A cup holds 250 mL, how many cups would it take to make 1 L?
- A bucket holds 6 litres of water. After rain, it was one third full.

  How many litres of water were in the bucket ? How many mL?

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسولة

18	Karim filled a bowl with 5 glasses of water. If each glass had a capacity of
	300 mL, how many millilitres of water did the bowl hold?
ě	
19	Use mental math. to answer the questions :

- a One large glass holds 300 mL, do 3 glasses hold more or less than 1 L?
- b A small juice can holds 150 mL, do 5 juice cans hold more or less than 1 L?
- Uncle Wael has a lot of containers. Help him decide which container he should use to hold each type of juice. Write the letters in the boxes:



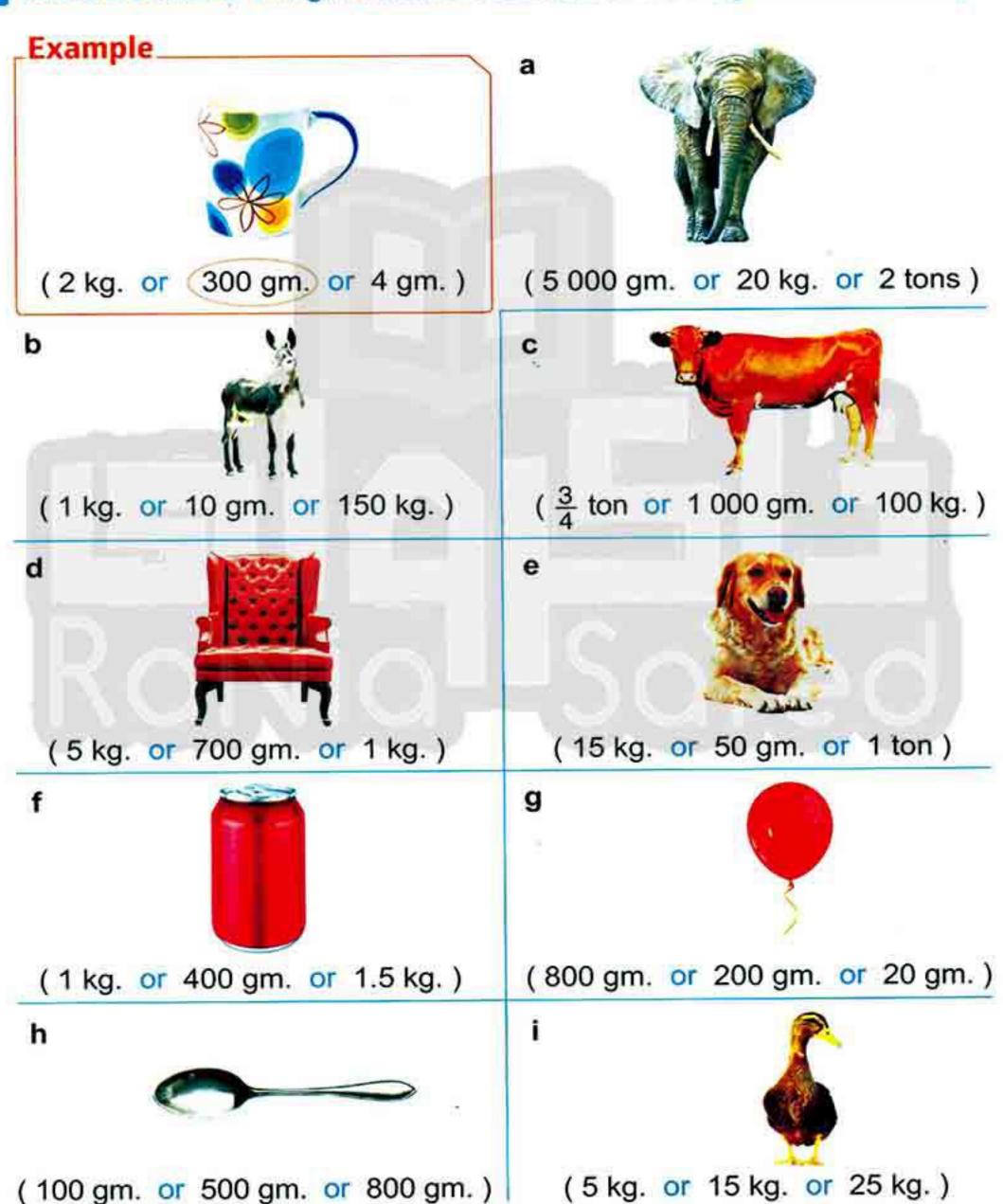
- 1 Two and thirty-eight hundredths of a litre of apple juice.
- 2 One and sixty-seven hundredths of a litre of guava juice.
- 3 Seventy-nine hundredths of a litre of orange juice.
- 4 Two and seven tenths of a litre of pineapple juice.
- 5 Sixty hundredths of a litre of mango juice.
- 6 Three and two hundredths of a litre of lemon juice.



# Weight

From the school book

Circle the answer that gives the best estimate of the weight as in the example :



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والصواقة

( 100 gm. or 500 gm. or 800 gm. )



# 2 Choose the suitable unit of weight to measure the given object :

а	A bicycle : ·········	(grams	or	kilograms	ог	tons)
b	A rabbit : ······	( grams	or	kilograms	or	tons)
С	A car :	( grams	or	kilograms	or	tons)
d	A toothbrush : ·······	( grams	or	kilograms	or	tons)
е	An elephant : ········	( grams	or	kilograms	or	tons)
f	A rat :	( grams	or	kilograms	or	tons)
g	A spoon of sugar :	( grams	or	kilograms	or	tons)
h	A cow :	( grams	or	kilograms	or	tons)
į	An envelope : ·······	( grams	or	kilograms	or	tons)
j	A pencil : ·······	( grams	or	kilograms	or	tons)
k	A desk :	( grams	or	kilograms	or	tons)
1	A paper clip : ···········	( grams	or	kilograms	or	tons)
m	A loaf :	( grams	or	kilograms	or	tons)
n	A cup :	( grams	or	kilograms	or	tons)
0	A bear : ··········	( grams	or	kilograms	or	tons)

## 3 Choose the suitable weight for:

a A jar of jam : ···········	(50 kilograms or 5 grams or 500 grams)
b An annie :	( 10 grams or 150 grams or 1 kilogram )



d A dining room chair: ..... (6 grams or 6 kilograms or 6 tons)

i Watermelon: (3 gm. or 3 kg. or 3 tons)

## 4 Complete as in number (a):

**a** 3 tons = 3 000 kilograms. **b** 7 240 kilograms = ..... tons.

c 75 kilograms = ..... grams. d 12 000 grams = .... kilograms.

**e** 7 tons = ..... grams. **f** 500 000 grams = ..... ton.

**g** 1 70 kg. = ······· gm. **h** 4 500 gm. = ····· kg.

i 🛄 1 kg. = ...... ton. j 🛄 1 gm. = ..... kg.

k 🛄 60 gm. = ······· kg. I 5 000 gm. = ····· ton.

**m** 🛄 1 000 gm. = ······· ton. **n** 🛄 10 tons = ······ kg.



o .....kg. = 1 900 gm.

**p** ..... tons = 4 750 kg.

 $q \frac{1}{2} \text{ kg.} = \cdots \text{gm.}$ 

**r**  $4\frac{1}{2}$  tons = ..... kg.

# 5 Complete as in number (a):

a 6 230 gm. = 6 kg. and 230 gm.

**b** 3 715 gm. = ..... kg. and ..... gm.

c 73 102 gm. = ..... kg. and ..... gm.

**d** 9 251 kg. = ..... tons and ..... kg.

e 53 kg. and 8 gm. = ..... gm.

f 6 kg. and 32 gm. = ..... gm.

#### 6 Complete:

**a**  $6\frac{1}{4}$  kg. + 200 gm. = ..... gm. **b**  $7\frac{1}{2}$  kg. + 250 gm. = .... gm.

**c**  $6\frac{3}{4}$  kg. + 250 gm. = ..... kg. **d**  $1\frac{3}{4}$  kg. + 50 gm. = ..... gm.

e  $9\frac{1}{4}$  kg. + 750 gm. = ..... gm. = ..... kg.

#### 7 Choose the correct answer between brackets:

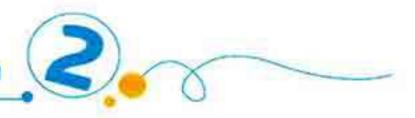
a 4 kg. and 700 gm. = ..... gm. (4 070 or 4 700 or 4 007)

**b**  $6\frac{1}{2}$  kg. = ..... gm. (650 or 6 005 or 6 500)

c  $2\frac{3}{4}$  kg. = ..... gm. (2 250 or 2 500 or 2 750)

**d** 6 020 gm. = 6 kg. + ..... gm. (2 or 200 or 20)

**e** 1 kg. and 750 gm. = ........... kg.  $\left(2 \text{ or } 1\frac{1}{4} \text{ or } 1\frac{3}{4}\right)$ 



8 Put the suitable relation (<, > or =):

a kg. ton.

**b** kilogram gram.

c 500 kg. 1 ton.

- d 10 tons 10 000 kg.
- e 3 ½ kg. 3 250 gm.
- 9 tons. f 9 750 kg.

3 kg.

**g** 750 gm.  $\frac{1}{2}$  kg.

- **h**  $6\frac{1}{2}$  tons 6 500 kg.
- i 8 780 kg. 9 tons. k 700 gm.
- 1 ton 1 million grams.

3 000 gm.

Circle the greatest weight and underline the smallest one in each of the following as in number (a):

a 30 000 gm. - 2 tons - 2 100 kg.

0.7 kg.

- **b**  $2\frac{1}{2}$  kg. 2 tons 2 000 gm.
- $c = \frac{1}{2} ton 3 kg. 300 001 gm.$
- d 600 tons 800 000 gm. 7 000 kg.
- e 2 490 gm. 249 kg.  $\frac{1}{4}$  ton
- $f = \frac{3}{4} ton 99 010 gm. 99 kg.$

10 Arrange the following weights in an ascending order in each case :

a Kilogram, gram and ton

The order is: ..... and .....

**b** 3 kg., 850 gm., 2 kg. and  $\frac{1}{2}$  kg.

The order is: ..... , ..... and .....

c 5 000 gm., 7 kg.,  $\frac{1}{2}$  ton and 120 kg.

The order is: ..... , ..... and ..... and .....

**d** 700 gm.,  $\frac{1}{2}$  kg.,  $1\frac{1}{2}$  kg. and 200 gm.

The order is: ...... and ......



e 12 500 gm., 17 kg.,  $1\frac{1}{2}$  ton and 700 gm.

The order is: ..... , ..... and .....

11 Look at the scales, then write the weight in each of the following cases:

a



..... kg.

b



12 Look at the reading on the weighing scales in each of the following cases and complete:

a



b

d

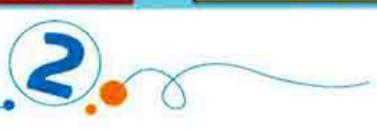


C



400 Okg. 200 800 1kg. 2kg. 800 600

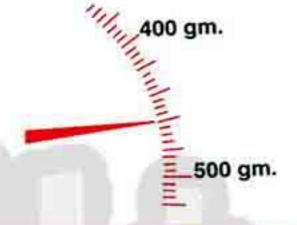
..... gm.



- Dina is six years old. She weighs herself. Look at the reading on the scales. How much does she weigh? "choose"
  - a 12 kg.
  - **b** 12.8 kg.
  - c 83 kg.
  - d 80 kg.



- A parcel is weighed at the post office and gives the reading shown in the picture. How much does it weigh? "choose"
  - a 403 gm.
  - **b** 460 gm.
  - c 412 gm.
  - d 480 gm.



- Wiaam has weighed a tin of potatoes on some digital scales. What is the reading? "choose"
  - a 1.172 kg.
  - **b** 1.172 gm.
  - c 172 gm.
  - d 172 kg.



- Nabila bought 3 kilograms of oranges for P.T. 200 each and 2 kilograms of grapes for P.T. 300 each. How much money did she pay?
- b Farah bought 2 kilograms and a half of green beans and two kilograms and a quarter of potatoes. How many grams did Farah carry?

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والصواقة



- The price of 1 kg. of meat is L.E. 35 A family eats one and a half kilograms of meat every week. How much money does this family pay for meat in a month?
- A family of 5 persons eats 2 kg. of fish every week. The price of fish is L.E. 15 for a kilogram. How much money does this family pay for fish in a month?
- If one lunch box weighs 425 grams, will 3 lunch boxes be more or less than one kilogram? what is the total weight of the 3 lunch boxes?
- A man bought 8 tons of iron for building his family house. If the price of 1 kilogram of iron is four and half pounds. Find:
  - the price of one ton of iron.
  - 2. the money paid for the iron he bought.
- 9 A family of 7 persons eat monthly 5 kilograms of bananas, 2 kilograms of apples and 6 kilograms of oranges. The price for one kg. as shown are L.E. 3 for oranges, L.E. 8 for apples, L.E. 4 for bananas and L.E. 2 for guavas.



Answer the following:

- 1. How much money does this family pay for fruits?
- 2. If the family wants to pay less money, but get the same amount of fruits, what will they do?

المحاصد رباضيات لغات / ٤ ايتدائي / تيرم ٢ (م: ٢٢)

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى





# Time

From the school book

Choose the suitable unit of time to measure the given event :

a A football match : ..... ( seconds or hours or days )

**b** Building a house : ..... (seconds or hours or days)

( seconds or days or minutes ) C Brushing your teeth: .....

d Travelling from Cairo to Alexandria by train: .........

( seconds or minutes or hours )

Complete:

a Some units of measuring time are ...... , ...... and ........ and ......

**b** (1) 1 day = ..... hours and 1 hour = ..... day.

(2) 1 hour = ..... minutes and 1 minute = ..... hour.

(3) 1 minute = ······· seconds and 1 second = ····· minute.

c (1) 1 day = ----- hours = ---- x ---- minutes = ---- minutes.

(2) 1 hour = ..... minutes = ..... × ..... seconds = .... seconds.

(3) 1 day = ..... minutes = ..... × ..... = ..... seconds.

Complete:

**b** 2 hours = ..... minutes. a 1 hour = ..... minutes.

**c** 3 hours = ..... minutes. **d** 120 minutes = ..... hours.

e  $\frac{1}{4}$  hour = ..... minutes. f 1 minute = ..... hour.

**g**  $\frac{1}{3}$  hour = ..... minutes.  $h = \frac{1}{2}$  hour = ..... minutes.

1 hr. and 40 min. = ..... min.

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة



- j 2 hr. and 30 min. = ..... min.
- **k**  $2\frac{1}{3}$  hours = ..... minutes.
- I 270 minutes = ..... hours.
- **m** 135 minutes = ..... hours.
- n 240 minutes = ..... hours.
- O 2 hr. and 5 min. = ..... min.
- **p** 330 minutes = ..... hours.
- **q**  $3\frac{1}{2}$  hours = ..... minutes.
- $\mathbf{r}$   $4\frac{3}{4}$  hours = ..... minutes.

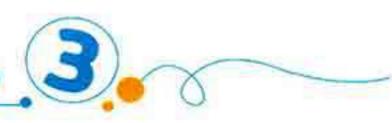
#### Complete:

- a 1 minute = ······ seconds.
- b 2 minutes = ······ seconds.
- c  $1\frac{1}{2}$  minutes = ..... seconds.
- d 180 seconds = ····· minutes.
- e 240 seconds = ······ minutes.
- f 300 seconds = ······ minutes.
- g 1 hour = ..... seconds.
- **h**  $2\frac{1}{4}$  minutes = ..... seconds.

## Complete:

**a** 1 day = ..... hours.

- **b** 2 days = ..... hours.
- c  $\frac{1}{2}$  day = ..... hours.
- d  $\frac{1}{4}$  day = ..... hours.
- e \frac{1}{3} day = ..... hours.
- $f = \frac{2}{3} \text{ day} = \dots \text{hours}.$
- **g**  $1\frac{1}{2}$  day = ..... hours.
- **h**  $2\frac{1}{2}$  days = ..... hours.
- i  $2\frac{1}{4}$  days = ..... hours.
- j 48 hours = ..... days.
- k 36 hours = ..... days.
- 1 72 hours = ..... days.
- m 16 hours = ..... day.
- n 30 hours = ..... days.
- 1 day = ..... minutes.
- $\mathbf{p} = \frac{1}{4} \text{ day} = \dots \text{ minutes.}$
- **q** 2 days and 16 hours = ..... hours.



- 3 days and 8 hours = ····· hours.
- **s** 1 week = ..... hours.
- t  $3\frac{1}{2}$  days = ..... hours.

#### Complete:

- a 60 minutes and 167 hours = ······· days.
- **b** 720 minutes and 96 hours = ······· days.
- c 5 days and 6 hours = ..... minutes.
- d 3 days and 180 minutes = ······ hours.
- e 4 days and 1 800 seconds = ······· hours.
- f  $1\frac{2}{3}$  hours and 20 minutes = ..... seconds.

#### Put the suitable relation (< , > or =):

- 24 hours. a 1 day
- b 2 days 50 hours.
- c  $\frac{1}{2}$  day 10 hours.
- d  $\frac{1}{3}$  day 12 hours.
- f 1 72 hours three days.
- g 1 2 1/3 hours 150 minutes.
- i  $\frac{1}{2}$  hour 1800 seconds. 2 600 seconds. h 🛄 👱 hour
- $\frac{1}{2}$  day 40 hours.
- k 57 hours 2 days and 9 hours.
- 60 hours 2 days and an hour.
- 1 day and 5 hours. m 29 hours
- 1 day and 23 hours. n 48 hours



- o 1 hour 59 minutes and 60 seconds.
- $p = \frac{1}{4}$  day 21 600 seconds.
- q 🛄 120 seconds 3 minutes.
- r 🛄 2 hours 9 000 seconds.
- s  $\frac{1}{10}$  hour 360 seconds.

# 8 Circle the greatest time and underline the smallest one in each case:

- a 14 000 seconds, 250 minutes and 7 hours
- b 30 000 minutes, 498 hours and 20 days
- **c** 8 600 seconds, 140 minutes and  $2\frac{1}{2}$  hours
- d 4 700 minutes, 80 hours and  $3\frac{1}{4}$  days
- e 19 100 seconds 330 minutes and  $5\frac{1}{3}$  hours
- f 14 000 minutes, 210 hours and 10 days

# 9 Arrange the following in an ascending order:

a 2 days, 42 hours and 2 160 minutes

The order is: ..... and .....

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Lesson



e  $\frac{1}{3}$  a day , 20 hours , 4 800 minutes and 6 000 seconds The order is : ....... , ........ and ........

# 10 Arrange the following in a descending order:

# 11 Choose the suitable answer between brackets:

- a Drinking a cup of water: ......... (30 seconds or 5 minutes or  $\frac{1}{2}$  hour)
- b Reading a short story: ..... (30 seconds or 30 minutes or 30 hours)

- e The period that the pupil stays at a school day : .....

(57 seconds or 47 minutes or 7 hours)

- g A person sleeps daily for about : .....

(500 seconds or 500 minutes or 100 minutes)

h An employee works daily for : .....

(48 minutes or  $\frac{1}{2}$  a day or 360 seconds)

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### 12 Underline the correct answer:

- a How many hours and minutes are in 125 minutes?
- ( 2 hours and 25 minutes or 1 hour and 20 minutes or 2 hours and 5 minutes )
- b How many hours are in a week? (46 or 168 or 120)
- c How many hours and minutes are in 190 minutes?
- ( 3 hours and 20 minutes or 3 hours and 10 minutes or 2 hours and 10 minutes )
- d The total number of days and hours in (4 days, 16 hours + 7 days, 11 hours) is:
  - ( 11 days and 3 hours or 12 days and 7 hours or 12 days and 3 hours )
- e There are 52 weeks in one year. How many weeks are there in 2 and half years?
  (130 or 104 or 156)

#### 13 Answer each of the following questions:

- a Karima walked one kilometre in 9 minutes. How long would it take her to walk 7 kilometres at the same speed?
- b It takes 17 minutes to clean a car. How long would it take to clean 23 cars?
- c The school holiday starts after three weeks. School is opened 6 days a week. How many school days are left until the holiday?
- d The football match started at 2 : 30 pm. Each half was 45 minutes.
  What time did the first half end?

العداص رياضيات لغات /٤ ايتدائي / تيرم ٢ (٩ : ٢٣)



- Mona used to ride her bike in the weekends. Once she rode it and finished at For how long did she ride her bike on that day?
- Samy spent 45 minutes doing his homework last night. He started it at 8:30 pm. What time did he finish his homework?
- If Mazen's birthday was on 17 5 1999, what would his age be on 1 - 10 - 2009?
- h An engineer works for 8 hours daily in an investment company. His salary is L.E. 10 in an hour, find his salary:
  - (1) In a week.
  - (2) In 7 weeks (he works 5 days a week)

لا تئس الاشلر اك في قنـوات ذاكـرولي على نطييق الثليجرام

تابع جدہد زاکرولي علی توہئے وائےس اب اليجــر ام

المصاصير



# Activities from the school book

# Activity









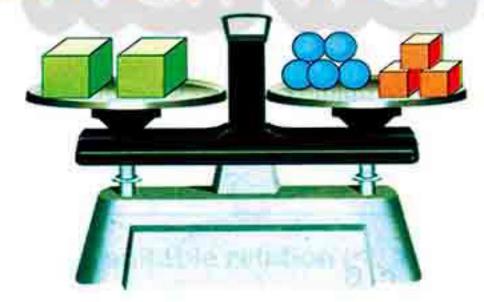
We have three pots of capacities 10 litres, 7 litres and 3 litres.

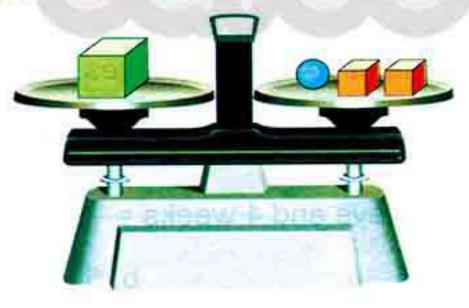
The largest pot is completely full of water and the other two pots are empty. Using the least number of steps, show how you use the three pots for dividing the water into two equal halves, putting five litres in the middle pot and five litres in the large pot.

#### Activity



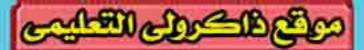
If the two pans of the shown balance have the same weight in each of the two cases, answer the following questions:

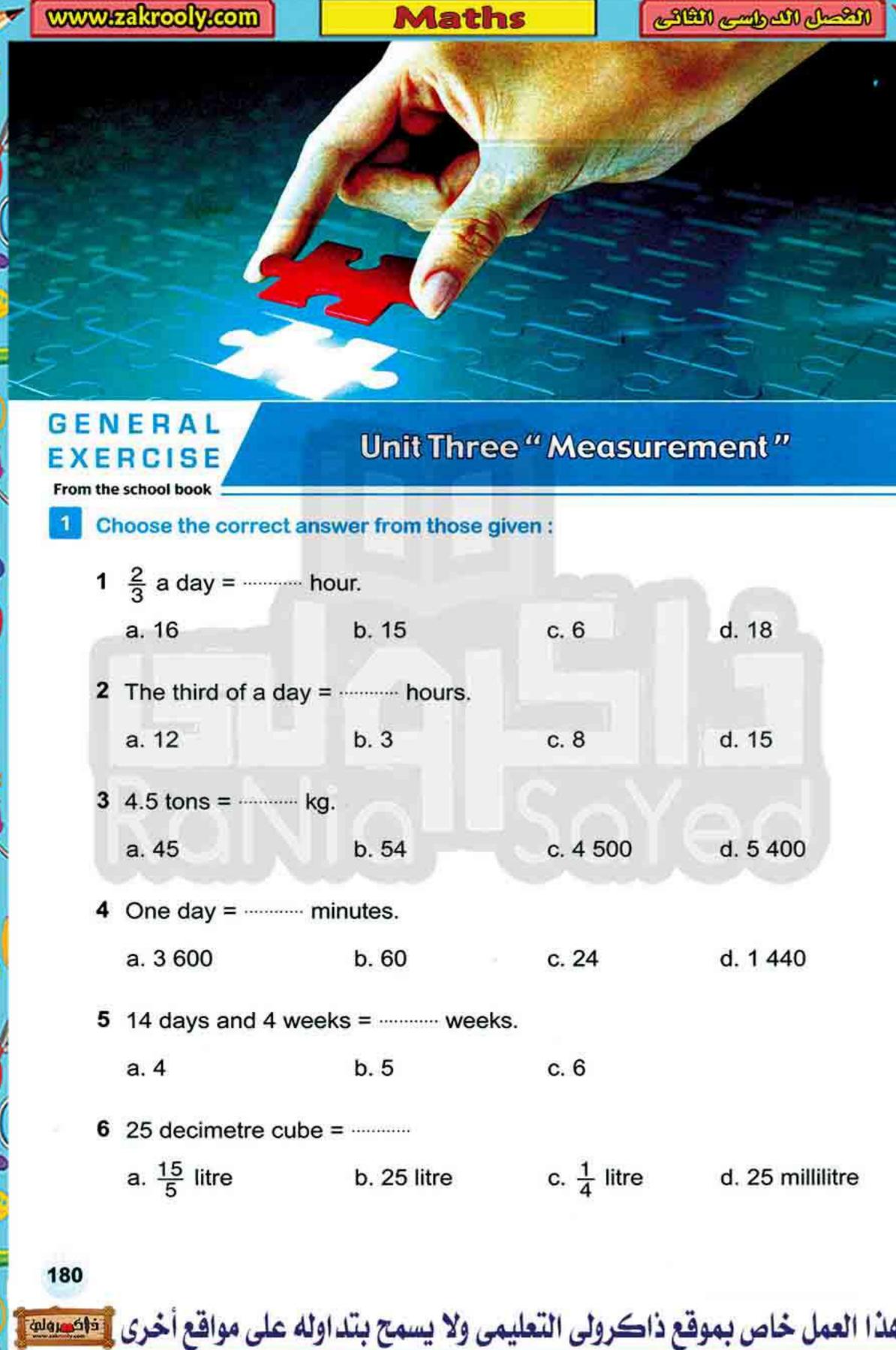




- a What is the relation between the weight of the small cube and the weight of the ball?
- b What is the relation between the weight of the large cube and the weight of the ball?

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- 7 The litre is the capacity of a vessel in the shape of a cube with edge length = .....
  - a. 1 cm.
- b. 10 cm.
- c. 100 cm.d. 1 000 cm.
- 8  $\frac{3}{4}$  of the day = ..... minutes.
  - a. 1 080
- b. 180
- c. 100
- d. 1800

- 9  $\frac{1}{2}$  litre = ..... cm<sup>3</sup>.
  - a. 500

22+2

- b. 5 000
- c. 50
- d. 50 000

# Complete each of the following:

- 1  $3\frac{1}{4}$  kg. = ..... gm.
- 2 4 750 millilitres = ..... litre.
- 3 5 tons = ..... kg.
- 4 8 500 millilitres = ..... litre.
- **5** 540 piasters = ..... pounds.
- 6 The third of the day = ..... hours
- 7 The litre = ..... millilitres.
- 8 The minute = ..... seconds.

# Put the suitable relation (<, > or =):

- 1  $\frac{3}{4}$  hour  $\boxed{\phantom{0}}$ 75 minutes.
- 2 5 tons 5 000 gm.
- 3  $4\frac{3}{4}$  pounds 475 piasters.

# General Exercise

- 4 0.5 kg. 750 gm.
- 5  $\frac{1}{3}$  of the day 7 hours.
- 6 9 800 millilitres 9.8 litres.
- 7 84 hours 5 days.
- 8 5 400 piasters 54 pounds.
- 9 The litre 100 millilitres.
- **10** 100 gm. \_\_\_\_\_ 1 kg.
- 11 8 780 kg. 9 ton
- 12 1.25 litre 1 200 mL.
- 13 4 pounds 475 piasters.

# 4 Arrange ascendingly:

- 1 37 hours , 1.5 day , 2 225 minutes
- 2 4 litres , 4 700 millilitre , 4.5 dm<sup>3</sup>
- 3 8 750 kg., 9 ton., 870 000 gm.
- A man bought 8 tons of iron for building a house. If the price of one kg. of iron is 4 pounds. Find:
  - a The price of one ton of iron.
  - b The price of the quantity of iron which the man bought.

# Test on Unit Three



# Choose the correct answer from the given ones:

- 1 5 litres = ..... millilitres. (50 or 500 or 5000 or 50 0000)
- (> or = or <)2 48 hours ..... 3 days.
- (35 or 34 or 350 or 3500) 3 3.5 tons = ..... kg.
- (> or = or <)4 250 cm<sup>3</sup> .....  $\frac{1}{4}$  litre.
- 5 The weight of the school book = ·············

(3 tons. or 300 gm. or 3 kg. or 30 kg.)

- 6 One day and half = ..... hours. (24 or 36 or 48 or 30)
- 7 .....is a unit of measuring weight.

(Litre or Kilogram or Hour or Minute)

(1.5 or 2.5 or 2 or 3) 8 120 minutes = ..... hours.

# Complete each of the following:

- 9 4.5 kg. = ····· gm.
- 10 Litre is a unit of measuring .....
- 12  $2\frac{1}{3}$  hours = ..... minutes. 11 7.2 litres = ..... dm<sup>3</sup>.
- 14 1 week = ..... hours. 13 6 250 kg. = ..... tons.

# Answer the following:

15 Arrange the following quantities in a descending order:

2 000 mL , 20 L ,  $2\frac{3}{4}$  dm<sup>3</sup> and 3 000 cm<sup>3</sup>

The order is: ..... , ..... and ..... and .....

16 A TV series started at 7:30 P.M. and took 45 minutes, when did it finish? It finished at .....

[a] Use the numbers: 5.3, 8.3, 10.03, 5.13 and 5.313 to /complete:



- (1) The smallest number is .....
- (2) The numbers that are greater than 5.5 are .....
- [b] Write two numbers lying between 3.24 and 3.25

The two numbers are ..... and ..... and

Sheet 7 From lesson (1) unit (1) to lesson (7) unit (1)

Mark 25

- Complete :
  - [a] 1.6 + ..... = 8.6
  - [b] 355 piastres = ..... pounds.
  - [c]  $(530.64 2.371) + (894.7 89.58) = \dots$
  - [d] 75.02 < ---- < 75.022
  - [e]  $\left(2\frac{2}{3} + \frac{1}{5}\right) \frac{4}{5} = \dots$
- ② Put (√) for the correct statement and (x) for the incorrect one:



- [a] 1.07 + 0.7 = 1.77
- **[b]**  $3\frac{1}{8} + 7.875 = 10$
- [c] 7 thousandths + 3 tenths = 0.037
- [d]  $\frac{17}{12}$  is a proper fraction.
- [e] The place value of the digit 7 in the number 9876.05 is tenths.

# Choose the correct answer :

- (4.08 or 4.008 or 4.44) [a] 0.04 + 4 + 0.4 = .....
- (0.999 or 0.199 or 0.919) [b] 4.619 - 3.7 = .....
- [c]  $\frac{1}{9}$  + 4.125 = ..... (4.25 or 0.45 or 0.045)
- [d] 7.32 1.93 ..... 6.78 0.42 (< or = or >)
- [e] 25.9 = 5 + 0.9 + ..... (20 or 2 or 200)

Worksheets

#### A Find the result :



# [a] Find the missing digits:



[b] If Mona has L.E. 3.95 and Manal has L.E. 6.3 How much money do they have together?

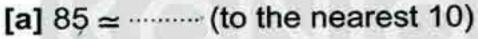
# Sheet



From lesson (1) unit (1) to lesson (8A) unit (1)



# O Complete:



[c] 
$$3.75 = 3 + \dots + 0.05$$

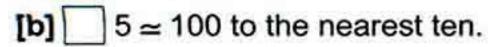
#### Choose the correct answer :

[c] 
$$8.56 \simeq$$
 (to the nearest ten) (10 or 9.56 or 9)

$$(< or = or >)$$

8	Complete	using	the	suitable	digits	:
		701 1		Elevery Ve	526	

[a]  $| 8 \approx 70$  to the nearest ten.



[c] 35  $7 \simeq 3$  2 to the nearest ten.

[d]  $6 3 \approx 650$  to the nearest ten.

 $4 \simeq 740$  to the nearest ten.

# Find the result of the following approximated the result to the nearest ten :



[b] 1 023.6 − 549.17 = ······ ≃ ·······

[c] 8 970 ÷ 100 = ..... ~ ....

[d] 5.423 + 9.577 = ..... ~ ....

[e] 3.303 − 0.3 = ······· ≃ ········

# [a] Write all the whole numbers which if approximated to the nearest ten , the result will be 200

The numbers are : .....

[b] Ashraf bought a refrigerator for L.E. 1 346.4 and a stove for L.E. 925.8 Calculate what he paid approximating the result to the nearest 10

He paid = ..... = L.E. .... ≥ L.E. ....

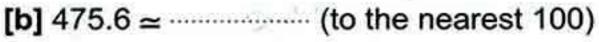
From lesson (1) unit (1) to lesson (8B) unit (1)

25

Mark

# Complete :

[a] 76 ≃ ..... (to the nearest 100)



[c] 6 905 m. = ..... km.

[d] 4 375 piastres ---- 43.75 pounds. (using: 
$$< or = or >$$
)

[e] 6 327  $\simeq$  ..... (to the nearest 1 000)



Worksheets

# Put the suitable relation (<), (=) or (>):

[a] 25.25 | 25 + 0.35



[b] 708.1 approximated to the nearest ten 7 081 approximated to the nearest hundred.

[c] 6 140 gm. 6.14 kg.

[d] 4 hundreds and 4 tenths 400.04

58.23 [e] 5.823

#### Choose the correct answer :

[a]  $4\frac{7}{10} + 3.07 = \dots$  (7.14 or 7.4 or 7.77 or 8.14)



[b] 236 ≃ ····· (to the nearest ten)

(230 or 240 or 250 or 260)

[c] 5 470 ÷ 100 = ..... (54.7 or 5.47 or 547 or 5 470.)

[d]  $\frac{2}{5} + \frac{3}{7} = \dots$   $(\frac{5}{15} \text{ or } \frac{29}{35} \text{ or } \frac{6}{35} \text{ or } \frac{5}{36})$ 

[e] Five and seven tenths = .....

(5.7 or 7.5 or 0.75 or 75)

#### A Find the result of each of the following:

[a] 3 524.6 + 243.1 = ···························



(to the nearest 1 000) [b] 5 824.6 - 1 123.9 = ..... (to the nearest 100)

[c] 30 406 - 17 918 = ..... (to the nearest 1 000)

[d] 51.235 = ..... (to the nearest hundred)

[e] 5.26 + 7.02 = ..... (to the nearest 10)

[a] What is the smallest whole number that if approximated to the nearest hundred gives a result of 600 ?



[b] A cyclist is riding with speed of 7 300 m. per hour. Find the distance he covers in 3 hours approximating to the nearest 1 000

# Sheet 70

# From lesson (1) unit (1) to lesson (8C) unit (1)



Complete :

[a] 9 356 ≃ ·····	(to the nearest 10 000)
-------------------	-------------------------

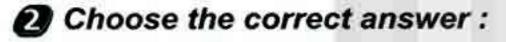


[b] 507 614 ≈ ..... (to the nearest 100 000)

[c]>8 943.52 = ..... (to the nearest 10 000)

[d] 61 950 000 ..... (to the nearest 100 000)

[e] 7 806 m. ≃ ······ km.





[a] 249 108 ~ ..... (to the nearest 100 000)

(300 000 or 200 000 or 240 000)

[b] 258 643 = ..... (to the nearest 10 000)

(250 000 or 260 000 or 259 000)

[c] 10 205 = ..... (to the nearest 10 000)

(11 000 or 10 000 or 10 200)

[d] 768 154 ~ 770 000 approximated to the nearest .....

(1000 or 10000 or 100000)

[e] 329 917 ~ 300 000 approximated to the nearest ......

(1000 or 10000 or 100000)

# Notice the position of each of the following numbers on the number line , then complete :

95 000



617 ≃ ..... (to the nearest 10) 620

[b] 7 000 7 048 ~ ..... (to the nearest 100) 7 100

100 000 95 000 ≃ ······ (to the nearest 10 000) [c] <del>90 000</del>

16

# Find the result of each, then approximate:

[a] 86 541 - 5 899 = ····· ≃ ······



- (to the nearest ten thousand)
- [b] 19 935 + 870 506 = ······ ≃ ·······

(to the nearest hundred thousand)

[c] 12 234.289 - 108.804 = ··············

(to the nearest ten thousand)

[d] 57 482.63 + 4 680.372 = ······ ~ ~

(to the nearest hundred thousand)

(to the nearest thousand)

#### 6 Complete:

[a]  $4\frac{3}{10} = \dots$  (decimal number)

[b]  $\frac{16}{16} = \frac{3}{4}$ 

[d] 5.7 = 5 + .....

[e]  $8 - 3\frac{4}{5} = \dots$ 

[c]  $\frac{3}{8} - \frac{1}{8} = \dots$ 

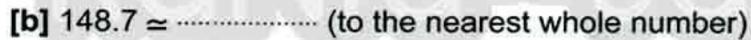
Sheet 77 From lesson (1) unit (1) to lesson (8D) unit (1)

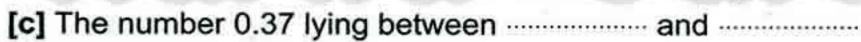
25

Mark

# Complete:

[a] 74.45 ≈ ..... (to the nearest unit)





[d] 16.03 ..... (to the nearest unit)

[e] 275.645 ≈ ..... (to the nearest 100)

# Choose the correct answer :

[a] 14.6 ≈ ..... (to the nearest unit)



(14 or 15 or 14.5)

[b] 97.75 m. ≃ ..... m. (to the nearest metre)

(100 or 97 or 98)

[c] 1,35 minutes  $\simeq$  ..... hours (to the nearest hour)

(1 or 2 or 3)

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[d] 39 months ≃ ···············	<ul> <li>years (to the nearest yea</li> </ul>	r)
---------------------------------	---	----

(2 or 3 or 4)

(2 or 3 or 4)

# Put (√) for the correct statement and (×) for the incorrect one :

[a] 173 cm.  $\approx$  2 m. (to the nearest metre)

[c]  $39\frac{3}{5} \approx 39$  (to the nearest unit)

[d]  $0.643 \approx 1$  (to the nearest unit)

#### Find the result of each :

[a] 5.243 + 8.677 = ..... (to the nearest 10)



[c] 634.5 - 95.43 = ..... (to the nearest hundred)

# 6 Complete:

[a] 4.7 = 4 + .....



[b] Forty two and three tenths is written as .....

[c] 214 ÷ 1 000 = -----

[d] 
$$\frac{1}{4} + \frac{3}{4} = \dots$$

# Mark

# 25

# Complete:

Sheet

[a] 2.39 = ..... (to the nearest tenth)



[c] 
$$6.053 \simeq \dots$$
 (to the nearest  $\frac{1}{10}$ )

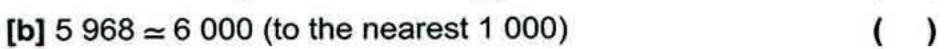
18

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى

From lesson (1) unit (1) to lesson (8E) unit (1)

② Put (√) for the correct statement and (×) for the incorrect one :

		7.0		
[a] 45.256 ≈ 45	(to the nearest	$\frac{1}{10}$ )	(	)

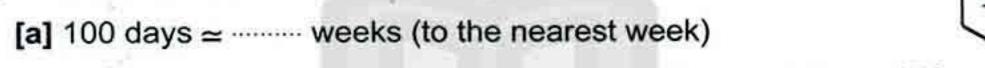


[c] 
$$187.6 \approx 280$$
 (to the nearest 100)

[d] 753 cm. 
$$\approx$$
 8 m. (to the nearest metre) (

[e] 
$$82.05 \approx 82.5$$
 (to the nearest 0.1)

Choose the correct answer :



[b] 
$$371.456 \simeq \dots$$
 (to the nearest 100)(  $371.5$  or  $370$  or  $400$ )

[e] 
$$59.95 \simeq \dots$$
 (to the nearest  $\frac{1}{10}$ ) (59.05 or 60 or 60.9)

Find the result of each, then approximate:



[c] 
$$3.5 - 1\frac{3}{4} = \dots \simeq (\text{to the nearest } \frac{1}{10})$$

[a] Complete using the suitable digits :

[b] Write the smallest decimal number which consists of 6 , 5 , 1 and 7 , then approximate the result to the nearest tenth.



From lesson (1) unit (1) to lesson (1) unit (2)

Mark 25

Complete :

[a] Two polygons are congruent, if their corresponding sides are ..... and their corresponding angles are .....



- [b] If the polygon ABCD is congruent to the polygon XYZL, then m ( $\angle Z$ ) = m ( $\angle \cdots$ )
- [c] If :  $\triangle$  KLM  $\equiv$   $\triangle$  AUC , then KL  $\equiv$  .......
- [d] Two squares are said to be congruent, if the side length of one of them equals ..... of the other.
- [e] The rectangle ABCD ≡ the rectangle XYZL, then BC ≡ ........
- If possible, draw a line in each figure, to get two congruent figures:

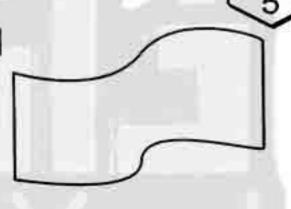




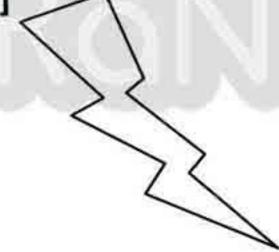
[b]



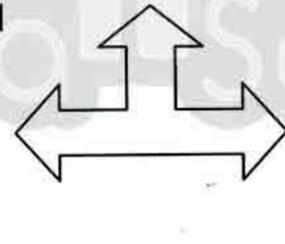
[c]



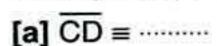
[d]



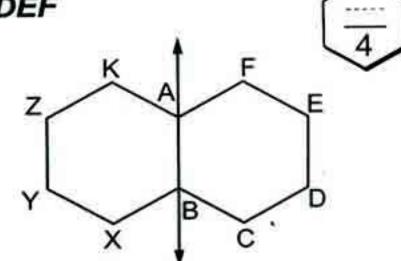
[e]



In the opposite figure, the polygon ABCDEF ≡ the polygon ABXYZK , complete :



[d] 
$$m (\angle Y) = m (\angle \cdots )$$



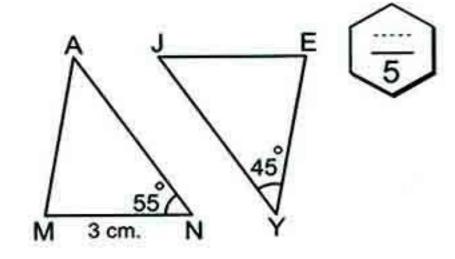
20

Worksheets

# A In the opposite figure :

# If $\triangle AMN \equiv \triangle YEJ$ , complete:

- [a] AM ≡ ······· [b] ∠ E ≡ ∠ ·······
- [c] EJ = ..... = ..... cm.
- [d] m (\( \sum \) = m (\( \times \) = .......................
- [e] m (∠ J) = .....°



#### 6 Choose the correct answer:

- [a]  $\frac{3}{10}$  + 0.8 = .....
- $(0.38 \text{ or } 3.8 \text{ or } 0.11 \text{ or } 1.1) \sqrt{5}$
- [b] The place value of the digit 4 in the number 8.4 is .....
  - (units or tens or tenth or hundred)
- [c] One hundred, fifty eight and seven tenth, is written ........
  - (158.7 or 15.87 or 1.587 or 1587)
- [d]  $457\frac{1}{5} \simeq \dots$  (to the nearest whole number)
  - (457 or 458 or 455 or 659)
- [e]  $5\frac{7}{100} = \dots$ (5.07 or 5.7 or 5.007 or 7.05)

# Sheet 14 From lesson (1) unit (1) to lesson (2) unit (2)

25

Mark

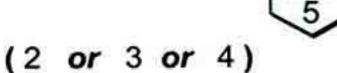
# Complete:

- [a]  $1.007 + 9 = \dots \simeq \text{(to the nearest } \frac{1}{10} \text{)}$
- [b] 5.42 3.362 = ..... (to the nearest unit)
- [c] The place value of the digit 7 in the number 72.34 is .....
- [d] 37.42 + 43.001 + 69.5 = ..... (to the nearest 100)
- [e] 78 590 ~ 300 000 (to the nearest 100 000)



# Choose the correct answer :

[a] The rhombus has ..... lines of symmetry.



[b] The isosceles triangle has ...... lines of symmetry.

(1 or 2 or 3)

[c] The parallelogram has ..... lines of symmetry.

(0 or 1 or 2)



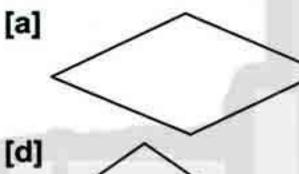
[d]	The scalene	triangle	has	 line(s)	of	symmetry	•

# ■ Put (✓) for the correct statement and (×) for the incorrect one:

- [a] The equilateral triangle has 3 lines of symmetry.
- [b] The equality of the corresponding sides of two polygons is not enough to be congruent.
- [c] The isosceles trapezium has zero line of symmetry.
- [d] The regular hexagon has 6 lines of symmetry.
- [e] The rectangle has 4 lines of symmetry.

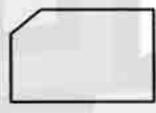
# In each of the following, draw all lines of symmetry (if possible):

[a]



[b]

[e]



[c]



- (1)  $95.7 62.31 \simeq \dots$  (to the nearest  $\frac{1}{10}$ )
- (2) 24 819 ÷ 1 000 ~ ..... (to the nearest unit)
- [b] Arrange the following numbers ascendingly: 0.45, 5.4, 4.5 and 0.54

# Sheet

From lesson (1) unit (1) to lesson (3) unit (2)

25

Mark

Complete :

- [a] 7.2 = ..... (in a mixed form)
- [b] 10.321 = 10 + ..... + ..... + 0.02 + .....
- [c]  $\frac{1}{9}$  + 0.13 = ..... (to the nearest unit)
- [d] 1 + 0.973 = ..... (to the nearest tenth)
- [e] 2 854 m. = ..... km. (to the nearest km.)

② Put (√) or (×):

[a] 0.49 < 0.5

[b] The parallelogram has four lines of symmetry.

[c] 20, 17, 14, 11 is pattern of decreasing by 3

[d] 6 hundredths + 16 tenths = 6.22

[e] 0.4 = 0.7 - 0.30

Choose the correct answer :

[a] In the rectangle ABCD, AB // ..... (BC or DC or BD)

[b] The value of the digit 6 in the number 18.36 is ......

(6 or 60 or 0.06 or 600)

(BAC or ABC or CAB) [c] BAC CAB BAC .....

[d] 1,3,9,27,..... (36 or 81 or 30)

[e] The number of lines of symmetry of the square the number

(> or = or <)of lines of symmetry of the rhombus.

Discover the rule and find the next one:

[b]

[d] A,Z,B,Y,C,X,.....,,....

Choose the correct answer :

(0.75 or 0.8 or 0.0755 or 0.25) [a]  $\frac{3}{4} = \dots$ [b] The number  $\frac{18}{4} = \dots$   $(4\frac{1}{2} \text{ or } 4\frac{2}{3} \text{ or } 4\frac{3}{5} \text{ or } 4\frac{2}{5})$ 

[c] The digit of tenths in the number 23.69 is .....

(9 or 6 or 3 or 2)

[d] 9 085 = 9 000 to the nearest ........

(10 or 100 or 1000 or 10000)

(21.25 or 22.15 or 21.40) [e] 11.25 + 10.15 = ·······

O. C.	
Sheet 18 From less	Mark
From less	son (1) unit (1) to lesson (1) unit (3)25
Complete :	
[a] 4 000 mL = litres	6
[b] 6 litres = millilitres	
[c] 2 dm.3 = mL	
[d] $7\frac{3}{4}$ litres = millilitres	S
	·· ≃ ······ (to the nearest unit)
2 Put the suitable relation ( <	() or (=) or (>):
[a] 1 litre 1 dm.3	[b] 4 000 mL 40 litres 5
[c] $\frac{1}{4}$ litre 245 millilitres	[d] 5 dm. <sup>3</sup> 245 millilitres
[e] 1 750 mL 2 3/4 litres	
Choose the correct answer	r:
[a] The capacity of gasoline	tank in a car is
	(5 mL or 200 litres or 50 litres)
[b] The capacity of water in a	
	(1000 cm. <sup>3</sup> or 20 L or 200 mL)
	er daily. (2 L or 50 mL or $\frac{1}{2}$ L)
[d] The capacity of juice in a	
	(10 L or 100 mL or 2 dm.3)
[e] The capacity of a bottle of	of medicine is
	$(\frac{1}{8} \text{ L or } 1 \text{ dm.}^3 \text{ or } 1 \text{ cm.}^3)$
(a) Arrange the following q	quantities in an ascending order :
250 mL,	1 L, $1\frac{1}{4}$ dm. 3 and $\frac{3}{4}$ L
The order is:	
[b] Arrange the following of	quantities in a descending order :
	L,23/dm.3 and 3 000 cm.3

24

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

The order is:

Worksheets

#### Choose the correct answer :

[a] The equilateral triangle has ...... lines of symmetry.



(2 or 1 or 3 or 4)  
[b] 
$$\frac{2}{5} + \frac{3}{7} = \dots$$
 ( $\frac{5}{12}$  or  $\frac{24}{35}$  or  $\frac{6}{35}$  or  $\frac{6}{7}$ )

- [c] 49.57 ÷ 10 = ..... (4.957 or 47.49 or 495.7 or 4975)
- [d] 530,533,536 this pattern is increasing by ......

(3 or 4 or 5 or 543)

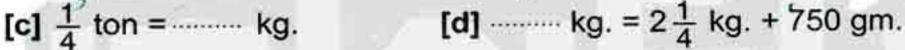
[e] The value of the digit 4 in the number 0.41 is ......

(0.04 or 0.4 or 40)

# Sheet 17 From lesson (1) unit (1) to lesson (2) unit (3)

Mark 25

# Complete:



[e] 2 403.5 - 79.08 = ..... (to the nearest 1 000)

# Choose the suitable weight for :

(grams or kilograms or tons) [a] An elephant .....

(grams or kilograms or tons) [b] A ring .....

(grams or kilograms or tons) [c] A goat .....

[d] A refrigerator .....

( 150 grams or 150 kilograms or 150 tons )

(3 gm. or 2 kg. or  $\frac{1}{2}$  ton) [e] An iron ......

# Put the suitable relation (<) or (=) or (>):

[a] 8.4 8.04

[b]  $\frac{1}{4}$  litre  $+\frac{3}{4}$  dm.<sup>3</sup> 1 000 mL

[d] 6 250 gm. +  $\frac{3}{4}$  kg. 7 tons [c]  $5\frac{3}{4}$  kg. \_\_\_ 5 tons

[e] 43 102 gm. 1 ton

# (a) Arrange the following quantities in a descending order:

 $\frac{1}{2}$  ton, 800 000 gm., 7 000 kg. and 789 kg.



The order is:

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[b] Arrange the following quantities in an ascending	g order	r:
--	---------	----

49 570 gm. , 47 kg. , 7 tons and 4 750 gm.

The order is:

# Complete :

[a] 
$$\frac{9}{5}$$
 = ..... (in a decimal form)

[b] 
$$4 + 5.36 + 6.12 \approx \dots$$
 (to the nearest  $\frac{1}{10}$ )

[e] 
$$\frac{45}{55} = \frac{......}{....}$$

#### Sheet 18 From lesson (1) unit (1) to lesson (3) unit (3)

Mark 25

#### Complete:

[c] 
$$3.75 + 1\frac{1}{4} = \dots \simeq \dots \simeq ($$
to the nearest 10)

# Put the suitable relation (<) , (=) or (>) :

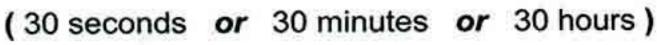
[a] 750 gm. 
$$\frac{1}{2}$$
 kg.

[b] 
$$\frac{3}{4}$$
 hour 40 minutes



# Choose the suitable time for :

[c] 1 \frac{1}{4} days \quad 1 800 minutes



[b] Burshing your teeth .....

[c] A person sleeps daily about .....

26

[d] Drinking a cup of coffee ........

(5 seconds or 5 minutes or 1 hour)

[e] Watching a football match .....

(90 minutes or 180 minutes or 4 hours)

[a] Arrange each of the following in an ascending order:

1 week,  $\frac{2}{3}$  a day, 3 600 seconds and 24 minutes



The order is: .....

[b] Arrange each of the following in a descending order:

½ day , 3 600 seconds , 44 minutes and 1 week

The order is : .....

The TV series started at 7:30 PM and took 45 minutes.

What time did it finish?



Sheet 19 From lesson (1) unit (1) to lesson (1) unit (4)



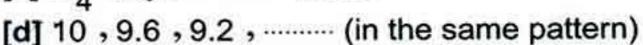
Complete:

[a] milliltre = ..... litre



[b]  $20.30 - 2.03 \approx \dots$  (to the nearest  $\frac{1}{10}$ )

[c]  $2\frac{1}{4}$  days = ..... hours



[e] Data are collected by using : ..... , ..... and ..... and

Choose the suitable answer:

[a] The square has ..... lines of symmetry. (zero or 2 or 4)



[b] 2.5 < ----- < 3

(2.1 or 2.8 or 3.01)

[c] 6 020 gm. = 6 kg. + ..... gm. (20 or 2 000 or 200)

[d] 8 4/5 = ········

(8.4 or 8.8 or 8.5 or 5.4)

[e]  $3\ 254.6 - 1\ 357.94 \simeq \dots$  (to the nearest 10)

(1896.7 or 1897 or 1900)

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى

الصف الرابع الابتدائي مركع والكرارا الكاييج



# -Exercise 🙈

# Operations on decimal numbers

#### 1. Find the result:

# 2. I Find the result:

**k)** 
$$2\frac{1}{8}$$
 + 6.5 = ----

1)

1) 27.1 - 
$$13\frac{3}{5}$$
 = ---

UNIT

# 3. I Find the result:

# 4. Choose the correct answer:

62

# 5. $\square$ Put the suitable sign ( < , = or > ):

a) 
$$7.9 + 2.3$$

f) 6.18 + 3.82

#### 6. Find the result:

**g)** 
$$9.28 + 8.48 - 3 \frac{27}{100} = \dots$$

i) 
$$\square$$
 (24.235 + 0.065) - (17 + 1.3) = ......

# 7. Complete each of the following:

UNIT

# 8. Write the missing digits:

- a) 🛄
- b) 🛄
- c)
- d) 8 . 9 6 .
- e)

# 9. Choose the correct answer in each of the following:

- a) (36.75 + 752.25) ÷ 100 = .....
  - 8.79
  - 0.789
  - 7.89
  - 789

- b) (8795.379 4321.379) ÷ 1000 = .......
  - 4574
  - 4.474
  - 4.474
  - 8795



# Problems

10. 🕮 Hossam has P.T. 425 and his sister Hend has P.T. 980. Find the difference between what they have in L.E.



11. Nahla bought a washing machine for L.E. 3950.75 and a TV set for L.E. 3200.25. If she had L.E. 8 000, how much money left with her?



12. Am Mazen has 35 pounds. He bought a ball for L.E. 9.75 and a book for P.T. 840. How much money was left with him?





P.T. 840

L.E. 9.75

13. III Hanaa has 200 pounds. She wants to buy a pair of shoes for L.E. 99.8, a bag for L.E. 45.75 and a dress for L.E. 70.25. Can she buy all what she wants? Why?







L.E. 70.25 L.E. 45.75

- 14. 🕮 A man bought three meters of cloth to make two shirts, one for him and another for his son. If you know that one meter and three quarters of a meter of cloth are needed for the man's shirt and one meter and half a meter for the son's shirt, answer the following questions:
  - a) Is what the man bought enough to make the two shirts or will he need another piece of cloth?
  - b) If he needs another piece of cloth, how much cloth will he need to buy?



65

enough to

تكفى لـ



UNIT

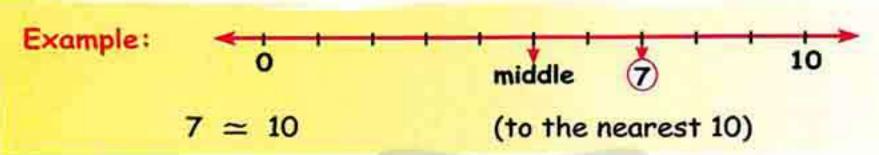


# Exercise 6



### Approximating to the nearest ten, hundred and thousand

1. Represent each of the following on the number line, then complete as the

















# 2. Approximate each of the following to the nearest ten as the example:

# Example: 123 = 120

c) 1 199 
$$\simeq$$
 ......

m) 
$$416 \frac{3}{8} \simeq \dots$$

# 3. Approximate each of the following to the nearest hundred as the example:

#### Example: 290 = 300

n) 
$$412\frac{3}{10} \simeq \dots$$
 o)  $799\frac{6}{7} \simeq \dots$ 

# 4. Approximate each of the following to the nearest thousand:

# Example: 290 = 300

c) 5 321.77 
$$\simeq$$
 ......

**g)** 
$$3\ 568\frac{5}{8} \simeq \dots$$

i) 99 728 
$$\frac{3}{4} \simeq .....$$

UNIT

# 5. Approximate each of the following numbers according to the required approximation:

a) 65 232.1 ≃ .....

(to the nearest ten thousand)

**b)** 13 950.5

(to the nearest ten thousand)

c) 87 654 321

(to the nearest hundred thousand)

**d)** 650 049.76 ≃ .....

(to the nearest hundred thousand)

**e)** 153 876

(to the nearest 10 000)

g) 10 500

f) 65 432.1

(to the nearest 10 000)

h) 8 943.52 ≃ .....

≃ ......

(to the nearest 10 000)

(to the nearest 10 000)

i) 236 849.99 ~ .....

(to the nearest 10 000)

j) 650 049.76 ≃ .....

(to the nearest 10 000)

k) 1 234 578.9 ≃ .....

(to the nearest 10 000)

I) 4 995 007 ≃ .....

(to the nearest 10 000)

**m)** 61 950 000 ≃ .....

(to the nearest 10 000)

n) 87 654 321 · ≃ .....

(to the nearest 10 000)

o) 999 999

(to the nearest 10 000)

# 6. Find the result of each of the following, then approximate the result according to the given:

- a) 36 708.3 + 17 905 = ..... ≃ ...........
- (to the nearest hundred)

b) 893.44 + 987.56

- (to the nearest thousand)
- c) 17 587.5 12 007.2 = ..... ~ .....
- (to the nearest hundred)

- d) 90 000 7 891
- = ..... ≃ .....

= ..... ~ .....

(to the nearest thousand)

- e) 897.2 312.1
- = ...... ~ ......
- (to the nearest ten)

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Lesson

my

# 7. Find the result of each of the following operations, then approximate the result to the required approximation:

a) 
$$\square$$
 700 000 - 65 093 = .....  $\simeq$  ..... (to the nearest ten)

# 8. Complete the following table with suitable numbers:

	Nearest 10	Nearest 100	Nearest 1000	Nearest 10000	Nearest 100000	
Example:	15 873	15 870	15 900	16 000	0	
218 765		**********				
54 123 1						
199 199.5					· · · · · · · · · · · · · · · · · · ·	
75 232.75						
6 543 217		**********		***************************************	*********	
380 451.8	********	722		*************	***********	
12 395.98		************				
***********	**********	694 500				
		409 900				
			654 000			
284 139						

my

# 9. Find:

- a) The greatest number that if approximated to the nearest ten, the result will be 650.
- b) The greatest number that if approximated to the nearest hundred, the result will be 2 700.
- c) The greatest number that if approximated to the nearest thousand, the result will be 47 000.
- d) The smallest number that if approximated to the nearest thousand, the result will be 89 000.
- e) The smallest number that if approximated to the nearest hundred, the result will be 6 800.
- f) The smallest number that if approximated to the nearest ten, the result will be 1980.
- g) The greatest number that if approximated to the nearest ten thousand, the result will be 20 000.
- h) The greatest number that if approximated to the nearest hundred thousand, the result will be 9 700 000.
- i) What is the greatest whole number formed from different digits, which if approximated to the neatest hundred thousand, the result will be 98 500 000?
- j) What is the smallest whole number formed from different digits that if approximated to the nearest ten thousand, the result will be 21 060 000?

#### 10. Find:

- a) The greatest whole number formed from different digits that if approximated to the nearest hundred, the result will be 72 300.
- b) The smallest whole number formed from different digits that if approximated to the nearest thousand, the result will be 237 000.
- c) Two whole numbers that if each of them is approximated to the nearest hundred, the result will be 600 and the difference between them will be 99.

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Lesson

#### 11. Choose the correct answer:

- (10, 100, 1000 or 10000) (to the nearest .....) a)  $8547.3 \approx 9000$
- (10, 100, 1000 or 10000) **b)** 19 407.17  $\simeq$  20 000 (to the nearest .....)
- (10, 100, 1000 or 10000) c)  $32567 \approx 32600$ (to the nearest .....)
- d) 6 000 is the approximation of the number ...... (to the nearest thousand)

(5 678 , 5 497 , 5 398 or 4 999)

e) 40000 is the approximation of the number ...... (to the nearest ten thousand)

(45 000 , 33 245 , 34 989 or 38 783)

# 12. Complete each of the following with the suitable digits:

a) 35 7 ≈ 3 2

(to the nearest ten)

7 ~ 87 **b)** 9

(to the nearest ten)

c) 60 9 .54 =

(to the nearest hundred)

d) 2 75.8 ≈ 3

(to the nearest thousand)

e) 76 435 ≈ 77

(to the nearest ten thousand)

# التب ذاكرولي في البحث وانضم لجروبات ذاكرولي هنه رياض الاطفال للصف الثالث الاعدادي



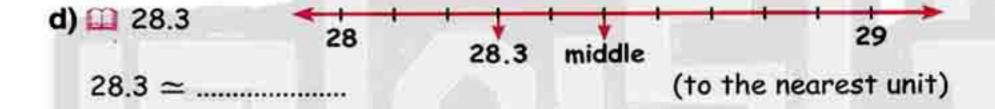
# Exercise 🌽

Approximating to the nearest

# unit and tenth

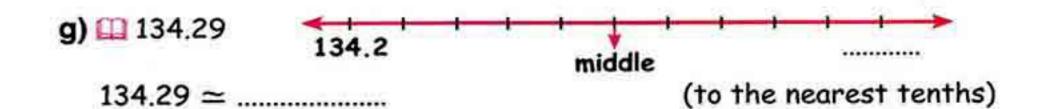
1. Represent the following on the number line, then complete:

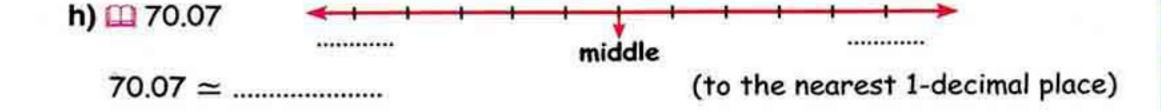
c) 
$$67.15$$
  $67.1$   $67.2$   $67.15 \simeq$  ......................... (to the nearest tenth)











#### 2. Approximate the following to the nearest unit as the example:

#### Example: 324.17 = 324

- **b)** 19.98
- d)  $127\frac{5}{8} \simeq \dots$
- f) □ 296.04 ≃ .....
- h) □ 90.092 ≃ .....
- j) □ 43.95 ≃ .....
- 1)  $\square$  502  $\frac{37}{100} \simeq \dots$

- a) 112.37
- c) 271.9
- e)  $715\frac{3}{8}$   $\simeq$  .....
- g) 13.75 ~ .....
- i) □ 170.597 ~ .....
- k)  $\square$  449  $\frac{3}{4}$   $\simeq$  ......
- m)  $\square$  6399  $\frac{7}{50} \simeq \dots$

#### 3. Approximate the following to the nearest tenth as the example:

#### Example: 75.08 $\simeq$ 75.1

- **b)** 15.975 ≃ .....
- d)  $12\frac{1}{4}$   $\simeq$  ......
- f) □ 53.5 ≃ .....
- h) (124.09 \( \simes \) .....
- j)  $\frac{7}{10} \simeq ....$
- 1)  $\square$  967  $\frac{3}{4} \simeq \dots$

- a) 18.338
- c) 13.085
- **e)**  $10\frac{7}{20}$   $\simeq$  .....
- g) 🛄 10.1
- i) 🛄 600.601  $\simeq$  .....
- k)  $\frac{3}{5}$   $\simeq$  ......

#### 4. Approximate the following to the nearest whole number:

a) 10.1

**b)** 53.5

c) 624.09

d) 7.499

**e)** 967  $\frac{1}{4}$ 

f) 204  $\frac{3}{4}$ 

#### 5. Approximate the following to the nearest one decimal place:

a) 13.57

b) 269.04

c) 83.914

d) 90.092

**e)** 502  $\frac{37}{100}$ 

f) 449  $\frac{3}{4}$ 

6. III The following table shows the time in minutes spent by a pupil in doing his daily activities, answer the following questions:

Activity	Studying	Playing	Watching TV
Time in minutes	125	45	30

- a) What is the time consumed by the pupil in studying approximated to the nearest hour?
- b) What is the total time consumed by the pupil in doing the three activities approximated to the nearest hour?
- 7. Complete the table with suitable numbers as the example:

9	li li	The number approximated to the nearest					
	Number	Tenth	Unit	Ten	Hundred		
Example:	7346.83	7346.8	7347	7350	7300		
	30780.55		•••••				
	28059.019	*************					
		45832.6					
			50381				
				29870			
					73200		

8. If the distance between two cities is 7825 metres, approximate this distance to the nearest kilometer.

9. Complete:

a) 532.45 dm  $\simeq$  ..... m.

**b)** 12 456 dm ≃ ..... km.

c) 65 475 m  $\simeq$  ..... km.

- d) 47 983 m ≃ ..... km.
- e) LE. 78.9 ≃ L.E. ......
- f) P.T. 456  $\simeq$  L.E. ......
- g) 5 hours and 15 minutes  $\simeq$  ...... hours.
- h) 3 hours and 35 minutes  $\simeq$  ..... hours.

#### 10. Find the result, then approximate it to the required approximation:

a) 14.352 + 25.687 (to the nearest tenth) = ..... ~ .....

b) 253.607 - 114.98 (to the nearest unit) = ..... ~ .....

c) 453.64 - 72.317 (to the nearest tenth) = ..... ~ .....

(to the nearest unit) d) 45.6 + 83.7 = ..... ~ .....

(to the nearest unit) e) 1 75 + 64.5 = ..... ~ .....

f) [ 53.64 + 8.601 (to the nearest unit) = ..... ~ .....

g) 🛄 104.9 - 23.58 (to the nearest unit) = ..... ~ .....

h) 4 864.3 + 75.2 (to the nearest ten) = ..... ~ .....

i) 🚇 453.64 - 72.317 = ...... \( \tau \) (to the nearest one decimal place)

#### 11. Find the result, then approximate it to the required approximation:

(to the nearest 100) a) 2 478 + 9 835 = ..... ~ ....

**b)** 7 000 000 - 134 609 = ..... ≃ ..... (to the nearest 1000)

c) 59.568 + 45.730 (to the nearest unit) = ..... ~ .....

(to the nearest  $\frac{1}{10}$ ) d) 86.70 - 3.45 = ..... ~ ....

e)  $\frac{1}{2} + 3$ (to the nearest whole number) = ..... ~ ....

f) 9 685 ÷ 100 (to the nearest tenth) = ..... ~ .....

#### 12. Carrying out the approximation operations, discover directly the mistake in each of the following approximated results giving the reason:

~ 6 270 (to the nearest hundred) 6 273.5 a)

(Wrong because .....)

2 000.08 ~ 20 000 (to the nearest whole number) b)

(Wrong because .....)

c) 2 222 + 3 333  $\simeq$  5 550 (to the nearest ten)

(Wrong because .....)

d)  $999.9 - 555.5 \simeq 440$  (to the nearest hundred)

(Wrong because .....)

Write each of the required numbers using all the digits 2, 3, 5, 8 and decimal point to satisfy the following equalities as the example:

Example: 82.35  $\simeq$  82 to the nearest unit.

- a) .....  $\simeq$  20 to the nearest ten.
- b) ......  $\approx$  83.3 to the nearest tenth.
- c) ......  $\approx$  8000 to the nearest thousand.
- d) ......  $\simeq$  9000 to the nearest thousand.
- e) ......  $\simeq 28.4$  to the nearest  $(\frac{1}{10})$ .
- f) ......  $\simeq$  240 to the nearest (10).

#### 14. Choose the correct answer in each of the following:

- a) 654.3 is the approximation of the number b) 37.6 is the approximation of the ..... (to the nearest tenth)
  - 654.29
  - 654.36
  - 654.35
- c) 570 is the approximation of the number d) 20 is the approximation to the nearest unit
  - ..... (to the nearest unit)
  - 571.7
  - **570.2**
  - 571.8

- number 37.63 to the nearest .....
  - unit
  - tenth
  - ten
- of all the following numbers except .....
  - 19.98
  - **20.1**
  - 31.3







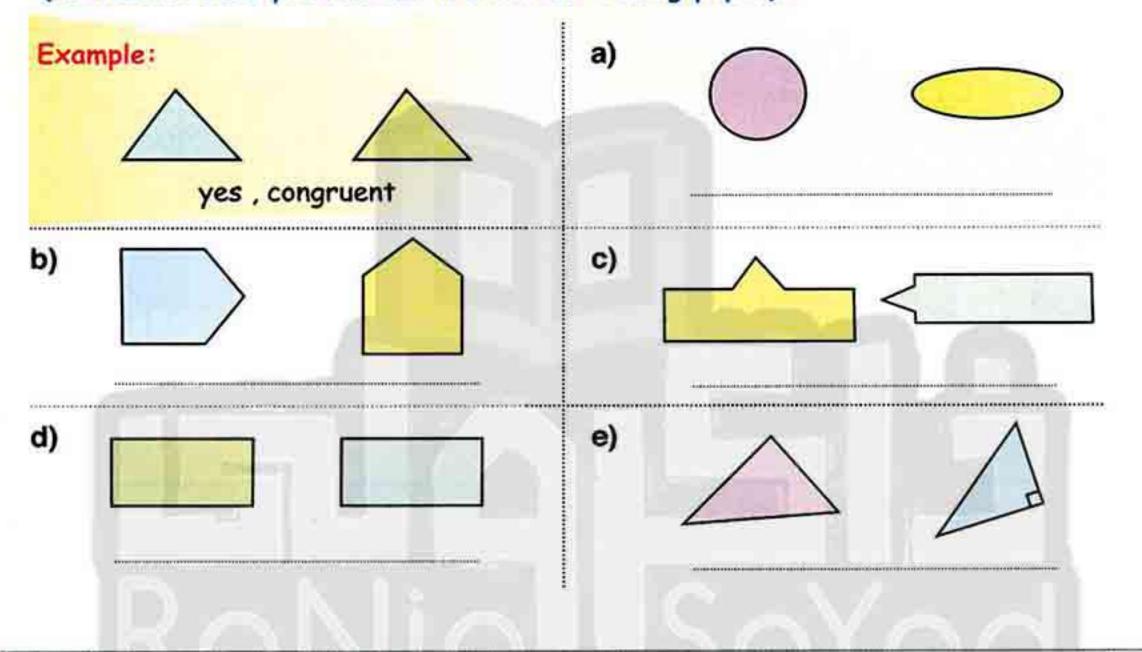


Solve Ex.

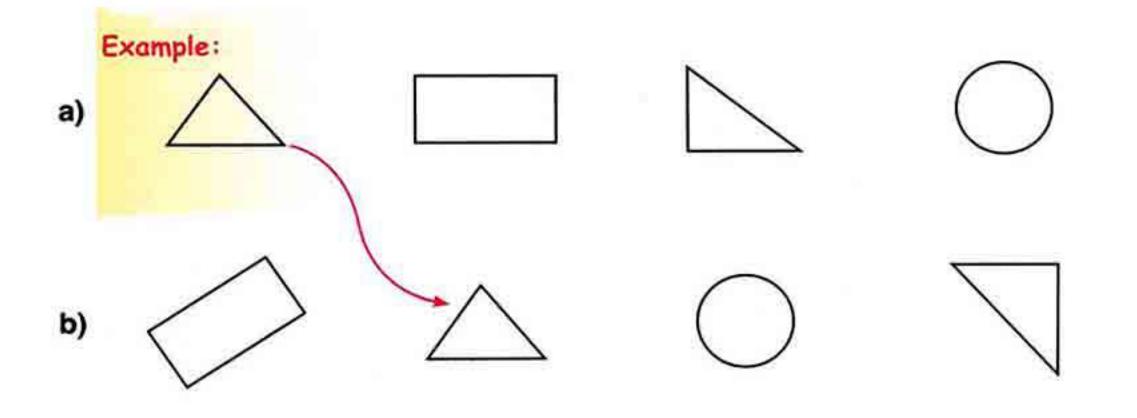
## Exercise 7

## Congruency

 Are the figures congruent? Write the answer as the example (to become sure you can use a sheet of tracing paper):



2. Doin each figure in group (a) to its congruent figure from group (b) as the example:



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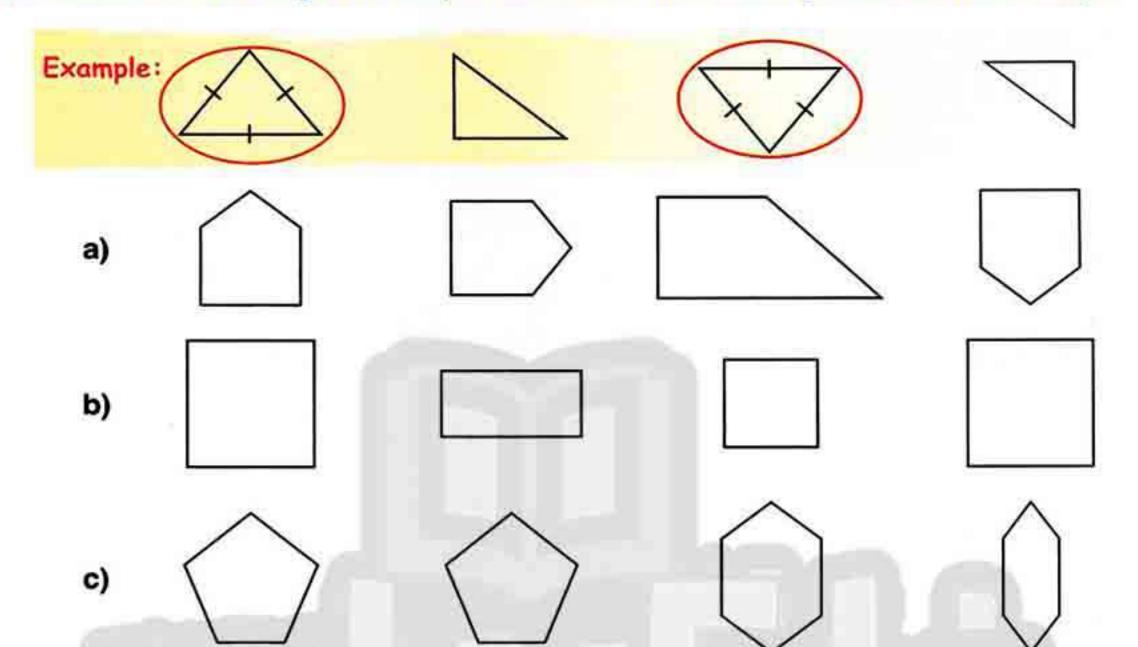
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم



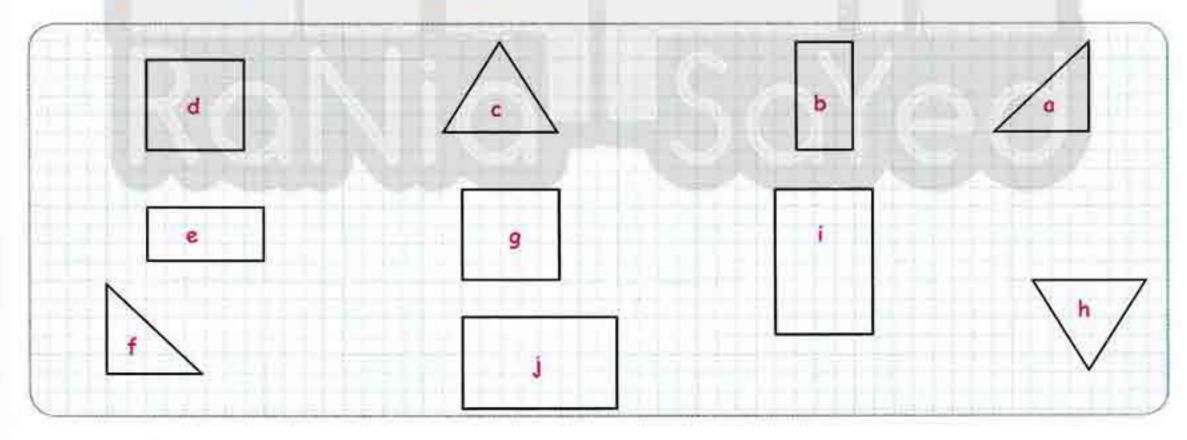


الصف الرابع الابتدائي

3. Choose the two congruent shapes in each of the following cases as the example:



4. Complete using the following figures:



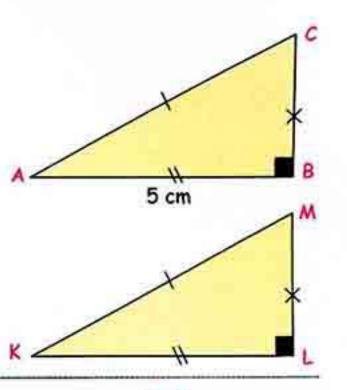
- a) The figure (a) = the figure (.....)
- b) The figure (b) = the figure (.....)
- c) The figure (c) = the figure (.....)
- d) The figure (d) = the figure (.....)
  - e) The figure (i) = the figure (.....)

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5. In the opposite figures: If  $\triangle$  ABC  $\equiv$   $\triangle$  KLM,

#### complete:

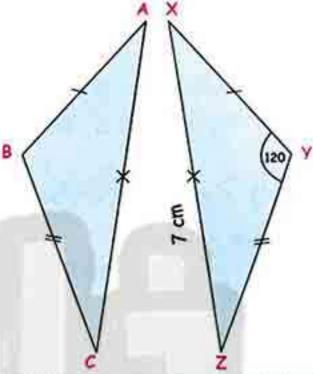
- a) AC ≡ .....
- b) LM ≡ .....
- c) ∠B≡∠ \_\_\_\_
- d) KL = \_\_\_ cm



6. In the opposite figures: If  $\triangle$  ABC  $\equiv$   $\triangle$  XYZ,

#### complete:

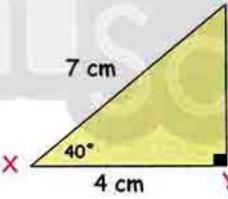
- a) AC = \_\_\_\_ cm
- b) BC ≡ .....
- c) ∠c ≡ ∠ .....
- **d)** m ( $\angle$  B) = m ( $\angle$  \_\_\_\_\_) = \_\_\_\_°



7. In the opposite figures: If  $\triangle$  ABC  $\equiv$   $\triangle$  XYZ,

#### complete:

- a) m (∠A) = \_\_\_\_°
- **b)** m (∠Z) = \_\_\_\_°
- c) AC = \_\_\_\_ cm
- d) AB = \_\_\_\_ cm





8. Choose the correct answer in each of the following:

a) If figure ABCD  $\equiv$  figure XYZL, then b) If  $\triangle$  XYZ  $\equiv$   $\triangle$ LMN, then

∠ A ≡ .....

- ∠ B
- / C
- $\angle x$
- · ZZ

LM = .....

- XY
- ZX
- O MN

9.	Comp	ete:
----	------	------

a) Two polyg	gons are congruent	if their co	orresponding side	es are	and	their
correspon	nding angles are					

- b) The diagonal of the rectangle divides it into two \_\_\_\_\_ triangles.
- c) Two squares are congruent if the side length of one of them is equal to \_\_\_\_\_

#### 10. Put (1) for the correct statement and (X) for the incorrect one:

- a) A square can be congruent to a circle.
- c) Two right-angled triangles are congruent if the two sides of the right angle in the first triangle equal the two corresponding sides of the right angle in the other.
- d) Two squares are congruent if their side lengths are equal. (............)
- e) Two triangles are congruent if their corresponding sides are equal in length. (......)
- f) The diagonal of the rectangle divides it into two congruent triangles. (......)
- g) A scalene triangle can be congruent with isosceles triangle. (......)
- h) Two polygons are congruent if their corresponding sides are equal in length. (......)
- i) Two polygons are congruent if their corresponding angles are equal in measure. (......)

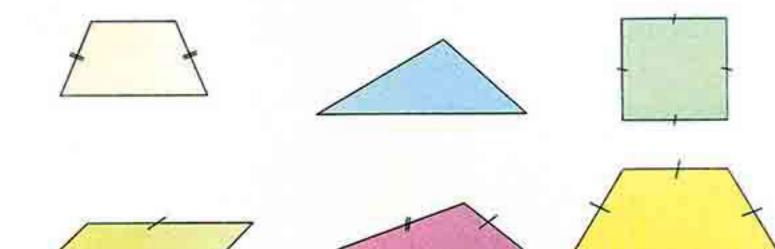
100

f 🍠 🐉 🔼 /aladwaa





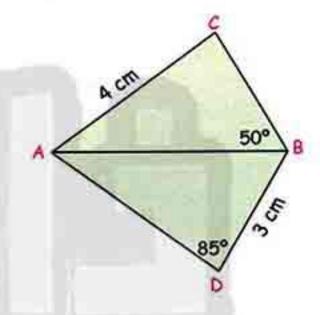
Draw a line in each of the following figures to get two congruent figures if possible:



12. In the opposite figure:

If  $\triangle$  ABC  $\equiv$   $\triangle$  ABD, then

- a) Find:
  - 1) m (∠C)
- 2) m ( BAC)
- b) Complete: AD = \_\_\_ cm and BC = \_\_\_ cm.
- c) Find the perimeter of the figure ACBD.





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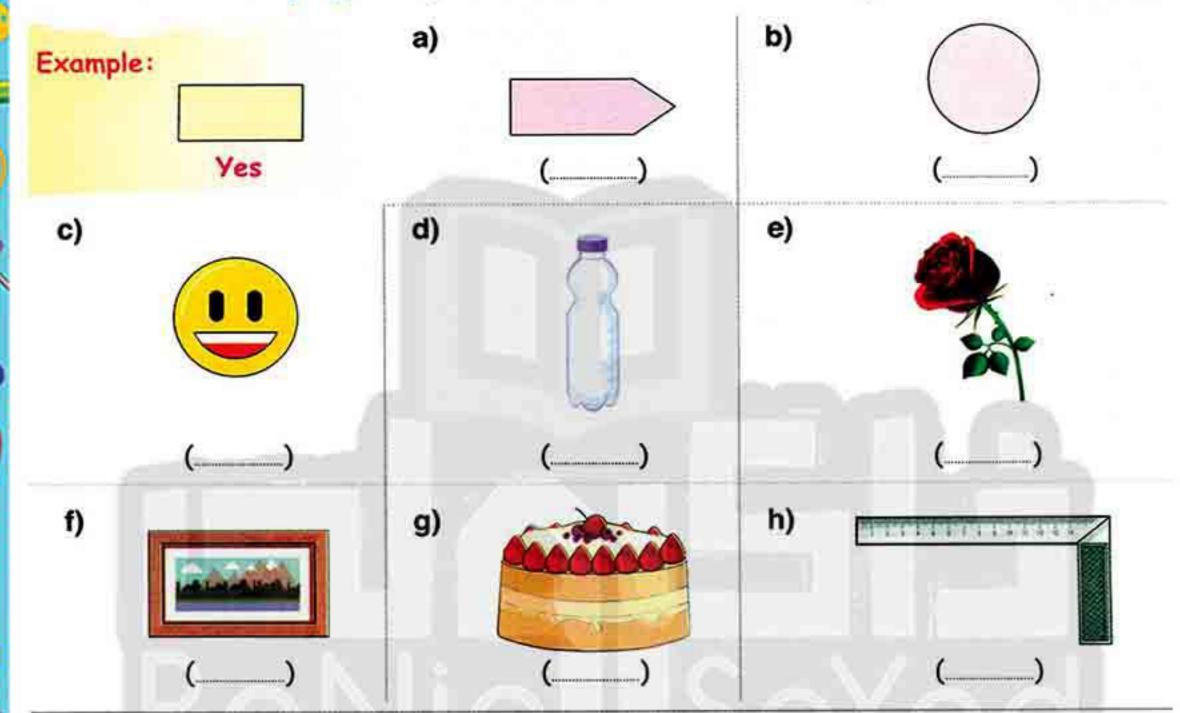




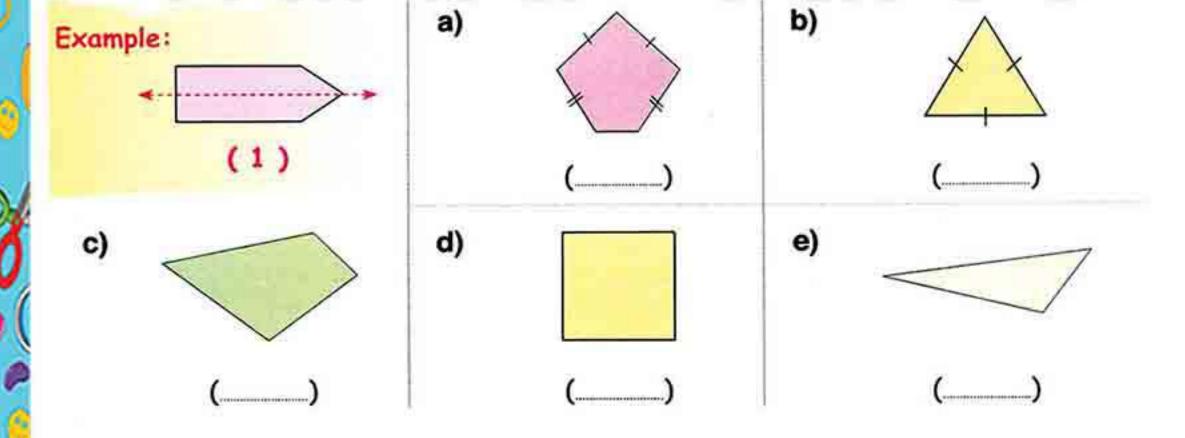
## Exercise 🍣

#### Symmetrical figures and lines of symmetry

1. Are the following figures symmetrical or not? (as the example)

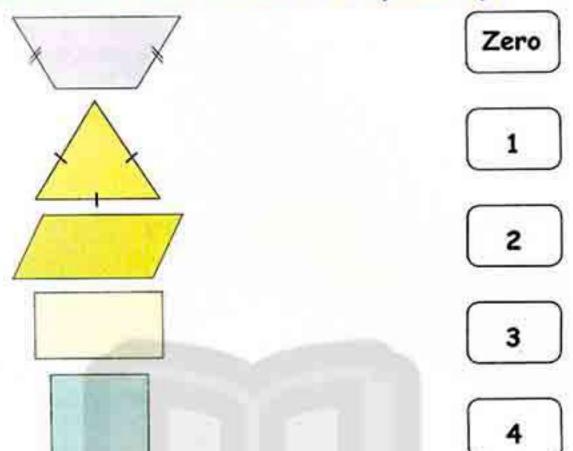


2. Write the number of lines of symmetry and draw them (if they exist) as in the example:

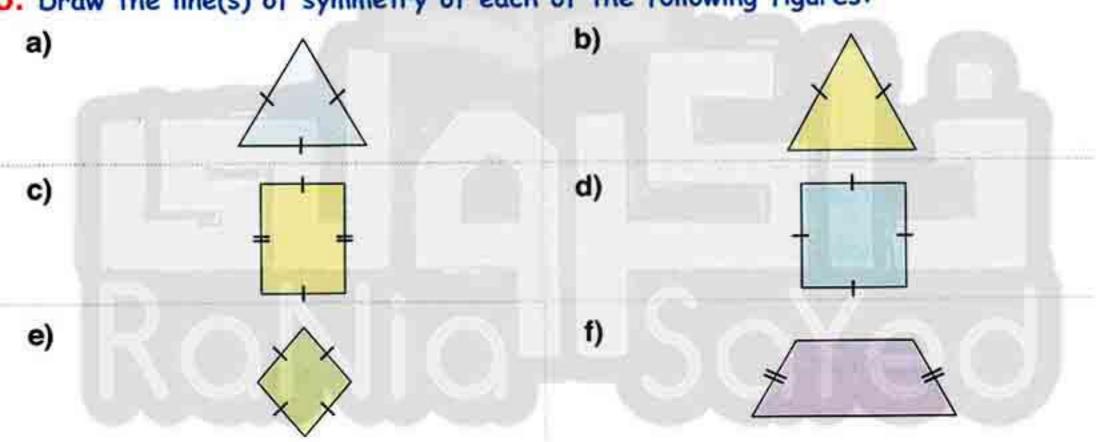




4. Doin each figure to its number of lines of symmetry:



5. Draw the line(s) of symmetry of each of the following figures:



6. Choose the correct answer:

(1, 2, 3 or 4) a) The isosceles trapezium has \_\_\_\_\_ line(s) of symmetry.

b) The diagonal of rectangle divides it into two \_\_\_\_\_ triangles.

(equal, congruent, parallel or different)

(1, 2, 3 or zero) c) The number of lines of symmetry of the rhombus is \_\_\_\_\_.

(1,2,3 or 4) d) The square has \_\_\_\_ line(s) of symmetry.

(1,2,3 or 4) e) The figure has line(s) of symmetry.

(zero, 1, 2 or 3) f) The figure has line(s) of symmetry.

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#### 7. Put (1) for the correct statement and (X) for the incorrect one:

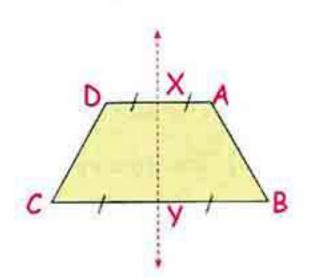
- a) The parallelogram has four lines of symmetry. (.....)
- (.....) b) The rectangle has four lines of symmetry.
- (.....) c) The scalene triangle has three lines of symmetry.
- (.....) d) The isosceles trapezium has one line of symmetry.
- (.....) e) The square has four lines of symmetry.
- (.....) f) The rhombus has four lines of symmetry.
- g) The circle has an infinite number of lines of symmetry. (.....)

#### 8. Complete the following:

- line(s) of symmetry. a) The equilateral triangle has
- line(s) of symmetry. b) The square has
- line(s) of symmetry. c) The rectangle has
- d) The parallelogram has line(s) of symmetry.
- e) The rhombus has line(s) of symmetry.
- f) The regular hexagon has line(s) of symmetry.
- line(s) of symmetry. g) The trapezium has
- line(s) of symmetry. h) The regular pentagon has
- i) The isosceles triangle has \_\_\_\_\_ line(s) of symmetry.

#### 9. Using the opposite figure, complete:

- a) XY is a line of symmetry of the polygon \_\_\_\_\_
- b) XA ≡ \_\_\_\_\_ YB ≡ \_\_\_\_
- c) AB = \_\_\_\_
- d) The polygon ABYX ≡ \_\_\_\_\_



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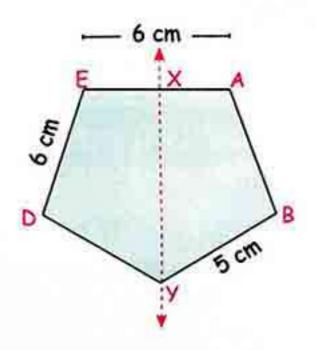
#### 10. In the opposite figure:

If XY is a line of symmetry of the polygon ABYDE,

AE = 6 cm, DE = 6 cm and BY = 5 cm, then:

#### Complete:

- a) ∠B≡∠\_\_\_\_\_
- b) ∠A ≡ ∠ \_\_\_\_\_
- c) DY = \_\_\_\_ cm
- d) The perimeter of the figure ABYDE = \_\_\_\_ cm

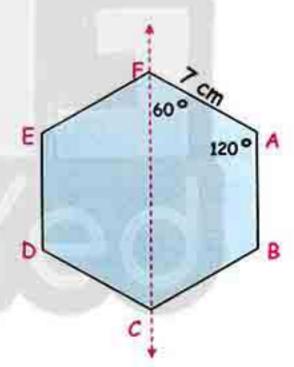


#### 11. In the opposite figure:

If CF is a line of symmetry of the regular hexagon ABCDEF, then:

#### Complete:

- a) AB = ..... cm.
- b) m (∠E) = m (∠ .....) = ......
- c) m (∠CFE) = m (∠ .....) = .....
- d) The perimeter of ABCDEF = ...... cm.
- e) The figure ABCF is called ......









#### 2. Complete in the same pattern:

- a)
- V CV CV CV b)
- 1 , 1.1 , 1.2 , 1.3 , \_\_\_\_ C)
- $\frac{1}{3}$ ,  $\frac{1}{6}$ ,  $\frac{1}{12}$ ,  $\frac{1}{24}$ , .....
- e)
- g)
- h) x ÷ x ÷ x ÷ \_\_\_\_\_
- 2.2 , 3.3 , 4.4 ,\_\_\_\_ i)

#### 3. Complete in the same pattern:

- a) 6.66, 5.55, 4.44, \_\_\_\_\_,
- **b)** 15 , 15.2 , 15.4 , \_\_\_\_\_ , \_\_\_\_
- c) ab , abb , ab bb , ab bbb , \_\_\_\_\_, \_\_\_
- d) 11 , 11.5 , 12 , \_\_\_\_\_ , \_\_\_
- e) ab , abc , abcd , \_\_\_\_\_ , \_\_\_\_
- f) 12.3, 23.4, 34.5, \_\_\_\_\_
- g) 🕮 +x , +xx , +xxx , +x , ......
- h) 🛄 10, 9.6, 9.2, 8.8, ......

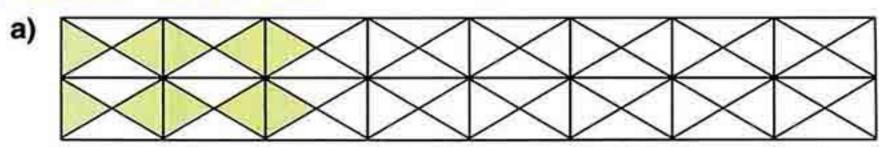
#### 4. Discover the rule and complete:

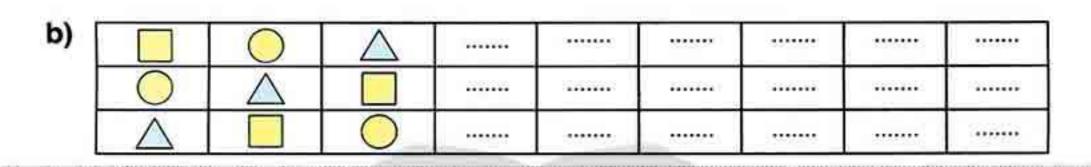
- d)  $\frac{1}{3}$ ,  $\frac{1}{9}$ ,  $\frac{1}{27}$  —
- e) 100, 99.5, 99, 98.5 \_\_\_\_

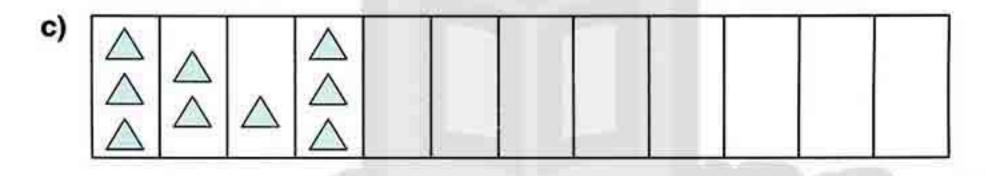
- The rule is:

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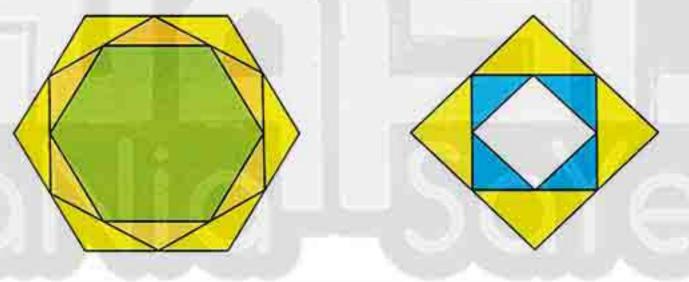
5. Complete the patterns:



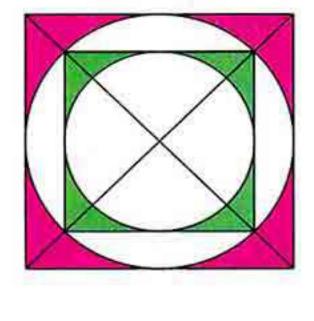




6. In each of the following figures, discover the pattern and then complete by drawing one figure that follows the same pattern.



7. Discover the pattern, then draw two figures and complete colouring according to the pattern.



discover

اكتشف

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## General Exercises on Unit

_	- Joing an Ex	or or o				
1.	Choose the correct answer from	those betwe	en brackets:			
	a) The number of lines of symmet	ry of the rec	tangle =	(zero, 4, 2 or 3)		
	b) The number of lines of symmet	ry of an isosc	celes triangle is	(1, 2, 3 or 4)		
	c) There are line(s) of sym	= :0	29			
	d) The number of lines of symmet	24 Mary 1985		A15 A1 B		
				, three , two or one)		
	e) The isosceles trapezium has	_ line(s) of s		(3, 2, 1 or 4)		
2.	Put the suitable sign (< , > or :	=):				
	a) The no. of lines of symmetry in	1	the no. of lines	s of symmetry in the		
	the square		rectangle.			
	b) The no. of lines of symmetry		the no of lines	s of symmetry in the		
	in the square		rhombus.	or symmetry in the		
3.	Complete each of the following:					
	a) The two squares are congruent	if the side le	ength of one of t	hem =		
	b) Two polygons are congruent if their corresponding sides are					
	c) The number of lines of symmetry of an equilateral triangle =					
	d) The shambur is a four	a whada dida				

e) The number of lines of symmetry of the opposite figure is ...........



f) There are ...... line(s) of symmetry in the square.

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#### 4. Put (/) or (x):

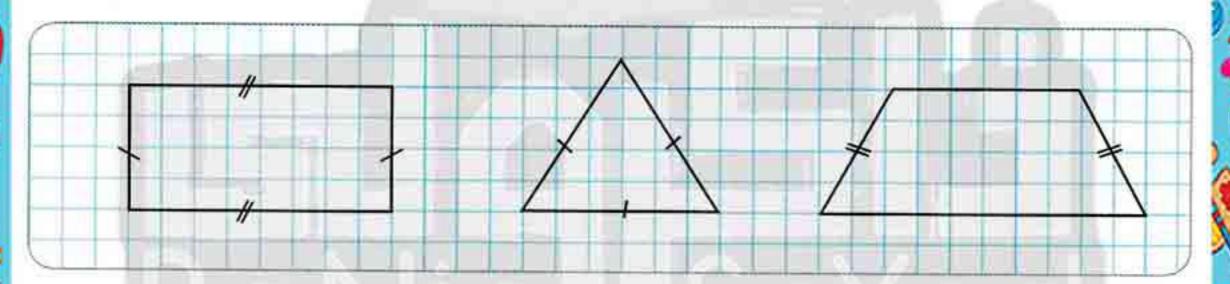
a) It is possible for an acute-angled triangle to be congruent to a right-angled one.

b) The parallelogram has four lines of symmetry.

c) Two polygons are said to be congruent if only their corresponding sides are equal in length.

d) The square has 4 lines of symmetry.

- e) The rectangle has four lines of symmetry.
- 5. Draw the lines of symmetry of each of the following shapes:





لمزيد من الاختبارات التفاعلية www.aladwaa.com

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#### Basic Cumulative Skills on Unit (2) (TIMSS)

#### First Choose the correct answer from those between brackets:

1. The area of the opposite shape

a) 6

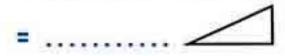
- **b)** 8
- c) 4
- **d)** 15

2. In the opposite figure the number of congruent

triangles = .....

- a) 3
  - **b)** 5
- c) 6
- d) 7

3. The area of the opposite shape



a) 7

- **b)** 8
- c) 9
- d) 10

4. The surface area of a square with side length 6 cm = ......

- a) 12 cm
- **b)** 36 cm
- c) 36 cm<sup>2</sup> d) 12 cm<sup>2</sup>

#### Second >> Complete each of the following:

- 5. The perimeter of a square of side length 1cm = ......
- 6. If the perimeter of a square 28 cm, then its side length = .....
- 7. The perimeter if the equilateral triangle of side length 7 cm = ......

#### Thrird Answer the following:

- 8. Find the perimeter and the surface area of rectangle with dimensions 4 cm and 6 cm.
- 9. Find the perimeter of the following shape if the unit of length is the side length of the small square.



# UNIT TEST



- 1							
1	Ch	oose the co	rrect answer fron	n the given or	es:		
	1	The rectangle	hasline	es of symmetry.			
		a) 2	b) 4	c) 6	d) 8		
	2	The square ha	aslines (	of symmetry.			
		a) zero	b) 2	c) 4	d) 3		
	3	If △ MNL ≡ △	PQR, then ML ≡.	************			
		a) MN	b) PQ	c) GR	d) PR		
	4	The number o	of lines of symmetry	of the equilater	al triangle is		
		a) zero	b) 1	c) 2	d) 3		
	5	In a rectangle	, the diagonal divide	es it in two	triangles.		
		a) congruent	b) different	c) equilate	eral d) isosceles		
	6	A square of si	de length 7 cm is co	ongruent to			
		a) a rectangle	of dimensions 7 cm	n and 5 cm.			
		b) an isoscele	es 🛆 whose sides le	engths are 7 cm	n, 7 cm and 5 cm.		
		c) a square of	f side length 7 cm				
		d) a rhombus	of side length 7 cm				
	7	The number of	of lines of symmetry	of the rhombus	s is		
		a) 1	b) 2	c) 3	d) 4		
	8	The number of	of lines of symmetry	of the isoscele	s triangle is		
		a) 1	b) 2	c) 3	d) 4		
2	Co	mplete each	of the following:				
	Two rectangles are congruent if						
	10	Two polygons	are congruent if the	eir correspondii	ng sides are		
		in length and	their corresponding	are	equal in measure.		







# Exercise 7

#### Capacity

1. Arrange the following objects ascendingly according to the capacity of each one: as the example:











2. Choose the nearest capacity for each of the following from that between brackets:

a)

d)

g)



b)



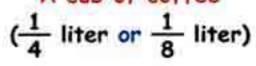
A tea kettle

(1 liter or 15 liters)

c)



A cub of coffee



e)



(2 mL or 20 liters)



A juice can

( mL or 1 liter)



A bottle of milk

$$(\frac{1}{2} \text{ mL or } \frac{1}{2} \text{ liter})$$

h)



A bathtub

(150 liters or 3 liters)



A glass of tea

(200 liters or 200 mL)



An aquarium

(20 mL or 8 liters)



A waterless

(8 mL or 8 liters)

3. Choose the suitable unit for measuring the capacity of each of the following:

- a) The capacity of a bottle of medicine
  - · L
  - mL
  - 6 cm

- b) The capacity of a cup of coffee ......
  - ml
  - Km
- c) The capacity of a water tank .....
  - · L
  - mL
  - m

- d) The capacity of a bucket of water .....
  - · L
  - ml
  - dm



#### 4. D Choose the correct answer:

a) The capacity of a glass of water ..........

(3 liters, 25 mL or 250 mL)

b) The average water consumption for a person in one day is .........

(15 liters, 1500 liters or 1500 milliliters)

c) The amount of milk used daily by a family of four persons is ..........

(50 liters, 500 liters or 2000 milliliters)

d) The liter is the capacity of a vessel in the shape of a cube with edge length = ...... cm.

(1 cm, 10 cm or 100 cm)

#### 5. Complete:

- 1) 8 liters = ..... mL.
- 3) 4.25 liters = ..... mL.
- 5)  $0.750 \text{ dm}^3 = \dots \text{cm}^3$ .
- 7) 4000 mL = ..... liter(s).
- 9)  $9275 \text{ cm}^3 = \dots \text{dm}^3$ .
- 11) 4 7000 mL = ..... L.
- 13) (12) 20 liters = ...... milliliters.
- 15) 1 20 mL

- 2) 6.5 liters = ..... mL.
- 4) 37.5 dm<sup>3</sup> = ..... cm<sup>3</sup>
- 6) 1.125 dm3 = ..... cm3.
- 8) 3470 mL = ...... liter(s).
- 10) 132500 cm3 = ...... dm3.
- 12) 12 20 mL= ..... L.
- 14)  $\square$  7  $\frac{1}{2}$  liters = ..... milliliters.
- 16) 1 mL = ..... L.
- 17) The unit of measuring capacity is ...............
- 18) 2 liters, 3000 mL = ..... mL.
- 19) 3 liters, 250 mL = ..... mL.
- 20) 2.5 dm<sup>3</sup>, 500 cm<sup>3</sup> = ..... mL.
- 21)  $8\frac{1}{2}$  liters, 500 cm<sup>3</sup> = ..... dm<sup>3</sup>.
- 22) 8750 cm<sup>3</sup>,  $\frac{1}{4}$  liter = ...... dm<sup>3</sup>.
- 23) ..... liters,  $\frac{1}{2}$  dm<sup>3</sup> = 3500 cm<sup>3</sup>.

average

consumption متوسط

استهلاك

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6. Put the suitable sign ( < , = or > ):

- a)  $\square \frac{1}{4}$  liter = 245 mL
- b) 0.875 liters --- 875 mL
- c)  $\square$  750 mL  $\frac{3}{4}$  liter
- d) 1.4 liters —— 140 cm<sup>3</sup>
- e) 3500 cm<sup>3</sup> --- 3.5 dm<sup>3</sup>
- f) 18 dm<sup>3</sup> 1800 cm<sup>3</sup>
- g) 1 3000 mL 30 liters
- h)  $\square$  500 mL  $\frac{1}{3}$  liters

7. Which is greater in capacity?

- a) A water tank of capacity 50 liters or another one of capacity 48000 mL.
- b) An aquarium of capacity 2500 mL or another one of capacity 25L.

8. Arrange in ascending order:

- a) 9750 mL, 10 liters, 7000 mL and  $12\frac{1}{2}$  liters.
- b)  $\frac{1}{2}$  liter, 450 cm<sup>3</sup>, 1750 mL and 2 cm<sup>3</sup>.
- c) 6000 mL , 5 dm<sup>3</sup> , 4500 cm<sup>3</sup> and 3  $\frac{3}{4}$  liters.

Arrange in descending order:

- a) 4 8.75 liters , 9000 mL , 6500 mL and 5 liters.
- **b)** 350 mL, 2L, 1250 mL and  $\frac{3}{4}$  liter.
- c) 9 liters, 9500 mL, 7500 cm3 and 8.9 liters.

لا تُس الاشْئر اكْ في قُنــواتْ نَـاكــر ولي على نطييقْ الليجر ام

f 🤟 🖇 🔼 /aladwaa



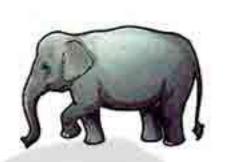
### Exercise 🍣 Weight

#### 1. Underline the better estimate of weight in each of the following:

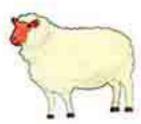
a)



b)



C)



 $(5 \text{ gm}, 150 \text{ gm or } \frac{1}{2} \text{ kg})$ 

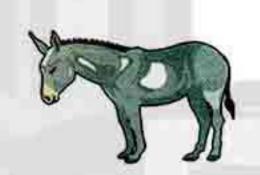
(2 tons, 200 kg or 50 kg)

(300 kg, 70 kg or 1 ton)

d)



e)





(50 gm, 500 gm or 700 gm)

(150 gm, 150 kg or 150 tons)

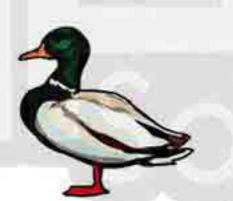
(10 gm, 250 gm or 750 gm)

g)



h)

k)





(3 kg, 20 kg, 200 kg)

(3 gm, 3 kg, 3 tons)

(2 kg, 15 kg, 200 kg)

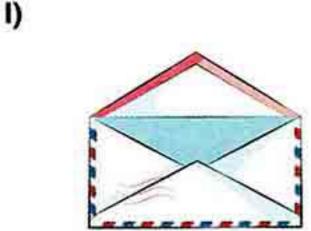
j)



(100 gm, 500 kg, 10 tons)



(15gm, 1kg, 5kg)



(10 gm, 20 kg, 20 tons)

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#### 2. Match each picture with its suitable weight:

a)



b)



-



d)



5 gm

500 kg

5 tons

5000 gm

#### 3. Write the suitable unit of weight (ton or kg or gm):

a) Buying rice and meat for a family.

,

b) Buying a gold ring for the Mother's Day.

(.....)

c) Buying iron to build a house.

#### 4. Choose the suitable answer:

a) The weight of a pupil in Grade Four ............

(1 ton , 40 kg or 90000 gm)

b) The weight of a chicken is ...........

 $(\frac{1}{4} \text{ ton }, 2 \text{ kg or } 100 \text{ gm})$ 

c) The heaviest weight a bridge can carry is ........

(10 tons, 100 kg or 150000 gm)

d) The weight of a present of jewellery is ............

 $(\frac{1}{2} \text{ ton , 105 kg or 15 gm})$ 

e) A truck can be loaded with ............

(2 tons, 20 kilograms or 3500 grams)

f) My father's weight is ........

(one ton, 95 kilograms or 80 grams)

#### 5. D Complete the following:

f) 
$$1000 \text{ gm} = \dots \text{ton.}$$

**h)** 
$$60 \text{ gm} = \dots \text{kg}.$$

**n)** .... tons = ..... 
$$kg = 30000 gm$$
.

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bridge

ring کویری

خاتم

6. Put the suitable sign ( < or = or > ):

- a)  $\frac{1}{2}$  ton 500 kg
- **b)**  $1\frac{1}{4}$  tons \_\_\_\_\_ 1250 kg
- c) 3.75 tons --- 3751 kg
- d) 9.805 tons 9894 kg
- e) 785 kg --- 0.8 ton
- f) 0.75 ton --- 749 kg
- g)  $3\frac{1}{2}$  kg 3500 gms
- h)  $7\frac{1}{4}$  tons 7.750 kg
- i) 3500 kg \_\_\_\_ 2.5 tons
- j) 750 gm  $-\frac{1}{2}$  kg

7. Arrange the following in descending order:

- a) 4.7 tons , 4710 kg , 4469000 gm.
- **b)**  $\frac{1}{5}$  ton , 205 kg , 204000 gm.
- c) 2.67 tons , 2675 kg , 2350000 gm.

## 3 Problems

8. 🕮 A family eats one and a half kilograms of meat every week. If the price of one kilogram is 140 pounds, how much money does this family pay for meat in a week?

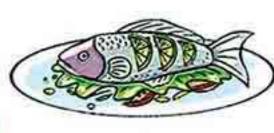
A man bought a golden ornament for his wife. If the weight of the present is 40 gm, and the price of one gram of gold is L.E. 550, how much money did the man pay?



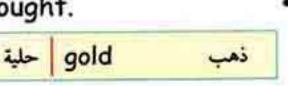
10. A family of 5 persons eats 2 kg of fish every week.

The price of fish is L.E. 28 for a kilogram.

How much money does this family pay for fish in a month?



- 11. A man bought 8 tons of iron for building his family house. If the price of 1 kilogram of iron is L.E. 12, find:
  - d) the price of one ton of iron.
  - e) the money paid for the iron he bought.





ornament

133

иміт 3

12. A family of 7 persons eat monthly 5 kilograms of bananas, 2 kilograms of apples, 6 kilograms of oranges and 4 kilograms of guavas.

The prices for one kg are as shown as follows:

L.E. 10 for bananas , L.E. 15 for apples ,

L.E. 8 for oranges and L.E. 9 for guavas.

How much money does this family pay for fruits?

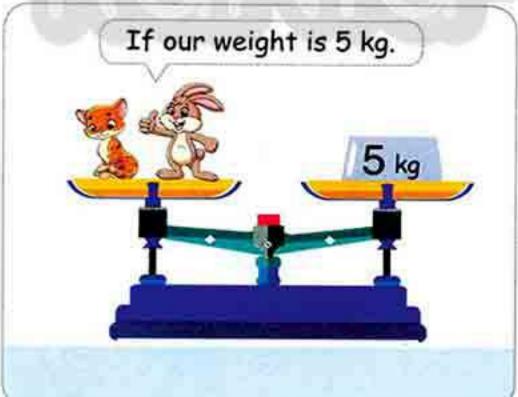




13. Find our weight together:















Solve Ex.

## Exercise 🕉

#### Time

#### Choose the correct answer:

 $(1 \frac{1}{2} \text{ hours}, \frac{1}{2} \text{ an hour or 50 minutes})$ 

b) To wear your clothes you take ............. (1 hour, 5 minutes or 75 seconds)

(75 seconds,  $\frac{1}{3}$  an hour or  $1\frac{1}{2}$  hours) c) To have lunch you take ............

 $(\frac{1}{2} day, 2 hours or 3 minutes)$ d) I watched a new film for ...........

 $(\frac{1}{2} day, 2 hours or 3 minutes)$ e) 🕮 Doing my homework yesterday takes .......

f) A person sleeps daily for about ....... (500 seconds, 500 minutes or 100 minutes)

g)  $\square$  An employee works daily for ......................... (360 seconds, 48 minutes or  $\frac{1}{2}$  days)

h)  $\square$  Preparing Friday breakfast takes ....................  $(\frac{1}{2} day, \frac{1}{2} an hour or 30 seconds)$ 

i) The daily time taken by a student to watch T.V. is ....... (day, one hour or second)

j) The suitable unit using in estimating the time taken by the winner in a running race of 100 meters is ...... (day, hour or second)

k) The suitable unit using in estimating the time taken for a football match is .......

(day, minute or second)

#### Complete each of the following:

a) 5 hours = ..... minutes.

**b)**  $2\frac{1}{2}$  hours = ..... minutes.

c) 1 minute = ..... hour.

1 hour = ..... day.

e) 1 second = ..... minute.

f)  $1\frac{1}{4}$  days = ..... hours.

g) 1 day = ..... minutes.

h)  $4\frac{1}{2}$  minutes = ..... seconds.

i) 2 days = ..... hours.

1 day = ..... hours.

**k)**  $\frac{1}{2}$  day = ..... hours.

1)  $\frac{1}{3}$  day = ...... hours.

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موظف

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

employee

m) 
$$\frac{1}{4}$$
 day = ..... hours.

n)  $\frac{1}{6}$  day = ..... hours.

**o)**  $\frac{1}{8}$  day = ...... hours.

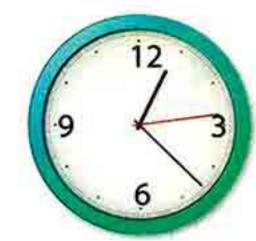
p) 24 hours = ..... days.

q) 48 hours = ..... days.

- r) 36 hours = ..... days.
- s) 1 day = ...... hours = ..... minutes.

#### Complete each of the following:

- a) 80 minutes = ..... hours + ..... minutes
- **b)** 135 minutes = ..... hours + ..... minutes
- c) 200 minutes = ..... hours + ..... minutes
- d) 240 minutes = ..... hours + ..... minutes
- e) 210 minutes = ..... hours + ..... minutes



#### 4. Complete:

- a) 1 day and 3 hours = ...... hours.
- b) 10 hours and 40 minutes = ..... minutes.
- c) 3 days and 240 minutes = ..... days.
- d)  $\frac{3}{4}$  hour and 10 minutes = ..... minutes.
- e) 120 minutes and 3600 seconds = ...... hours

#### 5. Arrange the following in ascending order:

- a) 1 300 minutes , 19000 seconds , 4 hours.
- b)  $\square$  1440 minutes , 3600 seconds ,  $\frac{1}{3}$  day.
- c)  $\frac{1}{2}$  day , 10 hours , 4800 minutes.

#### 6. Arrange the following in descending order:

- a)  $\square \frac{2}{3}$  day , 18 hours , 1020 minutes.
- b) 3000 minutes, 5 hours, 1800 seconds.
- c)  $1\frac{1}{2}$  days, 30 hours, 3600 minutes.

7.  $\square$  Put the suitable sign ( < , = or > ):

- a)  $\frac{3}{4}$  hours 50 minutes.
- b)  $\frac{1}{3}$  day 7 hours.
- c)  $\frac{2}{3}$  hour = 2600 seconds.
- d) 120 seconds 3 minutes.
- e) 2 hours ——— 9000 seconds.
- f)  $\frac{1}{10}$  hour = 360 seconds.
- g) 72 hours three days.

8. @ Complete:

- a) Some units of measuring time are ...... and, ..... and, ......
- b) 1 day = ...... hours, 1 hour = ...... day.
  - 1 hour = ..... minutes, 1 minute = ........
  - 1 minute = ..... seconds, 1 second = ..... minute.
- c) day = ...... hours = ..... minutes = ..... minutes.
  - 1 hour = ...... minutes = ..... x ....... seconds = ..... seconds.
    - 1 day = ...... minutes = ..... x ........ second = ..... second.

Life Problems

- 9. Mai's birthday is on 3 / 4 / 1987. What is her age on 15 / 11 / 2012?
- 10. A train started to move from Cairo at 6: 45 a.m and it arrived in Beni-Suef at 8:30 a.m. in the same day.

How long did the trip take?



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود





الصف الرابع الابتدائي

11. A football match started at 3:00 p.m.

The time of the match was 90 minutes,

 $\frac{1}{4}$  hour is a rest, and the wasted time was 5 minutes.

What was the time at the end of the match?



12. A Mona used to ride her bike in the weekends. Once she rode it at and finished at



How long did she ride her bike on that day?

13. III If Mazen's birthday was on 17/5/1999, what would his age be on 1/10/2009?

14. An engineer works for 8 hours daily in an investment company, and his salary is L.E. 20 for an hour, find his salary:

- a) in a week.
- b) in 7 weeks

(Knowing that: he works 5 days a week)



## أكتب ذاكرولي في البحث وانضى لجروبات ذاكرولي هنه رياض الاطفال للصف الثالث الاعدادي



1						
	p.m.	مساء	rest	راحة	engineer	مهندس
	investment	استثارى	salary	مرتب	1	



## General Exercises on Unit

#### 1. Choose the correct answer from those between brackets:

a) 
$$\frac{2}{3}$$
 a day = ..... hours.

d) One day = ..... minutes.

my

(26, 24, 25 or 
$$\frac{76}{3}$$
)

g) 
$$25\frac{1}{3}$$
 kg.  $\simeq$  ..... to the nearest kg.

j) 
$$\frac{3}{4}$$
 of the day = ..... minutes.

k) 
$$\frac{1}{2}$$
 liter = ..... cm<sup>3</sup>.

#### 2. Put the suitable sign ( < , = or > ):

a) 
$$\frac{3}{4}$$
 hour

7 hours

9 tons

c) 
$$4\frac{3}{4}$$
 pounds

100 milliliters

9.8 liters

e) 
$$\frac{1}{3}$$
 of the day

h) 5400 piasters

f) 9800 milliliters

i) A liter



#### General Exercises from on Unit 3

#### 3. Complete each of the following:

- a) 4750 milliliters = ..... liters.
- c) 32 days  $\simeq$  ...... (to the nearest week)
- d) 5 tons = ..... kg.
- e) 8500 milliliters = ..... liter(s).
- f) 540 piasters = ..... pounds.
- g) The third of the day = ..... hours.
- h) A liter = ..... milliliter(s).
- i) A minute = ..... seconds.

#### 4. Put (1) for the correct statement and (X) for the incorrect one:

a) 9.7 liters = 9.700 decimeters cube.

( )

b) 2.5 days = 60 hours.

(

#### 5. Arrange ascendingly:

- a) (37 hours,  $\frac{1}{2}$  day and 2225 minutes)
- b) (4 liters, 4700 milliliters and 4.5 dm<sup>3</sup>)
- c) (8750 kg, 9 tons and 8740000 gm)

#### 6. Answer the following:

- 1. A man bought 8 tons of iron for building a house. If the price of one kg of iron is 9 pounds.
  - Find: a) The price of one ton of iron.
    - b) The price of the quantity of iron which the man bought.
- 2. A road of length 55 km, if 25.78 km of it was paved. How long is the part which was left without paving?

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UNIT 3

## Basic Cumulative Skills on Unit (3) (TIMSS)

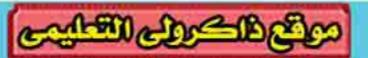
First	Choose the correct	t answer from the	given ones:

a) cm	b)	a) am	d) ka			
a) cm	b) mm	c) gm	d) kg			
2. If Ahmed is 1.8	3 meters tall and hi	s sister is half	of his height then the heigh	ght o		
his sister =						
a) 0.4 m	<b>b)</b> 0.8 m	<b>c)</b> 0.9 m	d) 1.4 m			
3. The weight of a	an elephant can be					
a) 40 kg	<b>b)</b> 250 gm	c) 4 tons	d) 5000 gm			
4. If a family saw	a film which starte	ed at 5:30 p.m.	and it finished at 8:45 p	.m.		
then the time p	assed =					
a) 3 hours	b) 2 hours and 10 minutes					
c) 4 hours	d) 3 hours and 15 minutes					
5. The suitable ler	ngth of your notebo	ok is				
a) 5 cm	<b>b)</b> 30 cm	<b>c)</b> 1 cm	<b>d)</b> $\frac{1}{2}$ km			
6. 300 minutes = .	hours					
<b>a)</b> 5	<b>b)</b> 4	c) 4	<b>d)</b> 2			
Second >> Ans	swer the following:					
7. How many sceon	nds are there in 1	hour?				
8. How many hours	s are there in a we	ek?				
_	lowing lengths asce					
- This ange the for	istring lengths asce					

144

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الصف الرابع الابتدائي



# UNIT TEST



### Choose the correct answer from those between brackets:

- 1) 3 litres = ..... mililitres.
- 2) A quarter of a day = ..... hours.
- 3) 6.5 tons = ..... kg.
- 4) 14 days and 4 weeks = ..... weeks.
- 2 weeks = ..... days.
- 6) 4.8 litres = ...... dm<sup>3</sup>.
- 7 2.5 tons = ..... 2250 kg.
- $\frac{1}{4}$  litre = ..... mL.

- (3 or 30 or 300 or 3000)
  - (4 or 6 or 8 or 12)
  - (650 or 6500 or 6050)
    - (3 or 4 or 5 or 6)

my

- (14 or 36 or 48 or 120)
- (4800 or 4.8 or 480 or 48000)
  - (> or < or =)
  - (250 or 300 or 450)

## 2 Complete each of the following:

- 9 The litre = ..... millilitres.
- $\frac{1}{2}$  litre = ..... cm<sup>3</sup>.
- $11 \frac{1}{4}$  km = ..... metres.
- One minute = ..... seconds.



#### Answer the following:

- (13) Arrange the following in ascending order:
  - 9 kg, 8000 gm,  $5\frac{1}{2}$  kg and 7500 gm.
- The order is:
- 14 Arrange the following in descending order:
  - 4 1 litre, 2500 mL, 6 litres, 3000 mL.
  - The order is: ....., .....

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الصف الرابع الابتدائي مركع الكاليدائي

# Worksheet Till Lesson (4) - Unit (1)



#### Choose the correct answer:

a) 
$$4\frac{3}{5} = \dots$$

(4.45 or 4.6 or 4.3 or 4.4)

- b) The value of the digit 3 in the number 59.34 is .....
- (3 or 30 or 0.3 or 0.03)

 $(\frac{975}{10} \text{ or } \frac{39}{4} \text{ or } \frac{975}{1000} \text{ or otherwise})$ 

d) 0.15 < ..... < 0.16

(0.65 or 0.55 or 0.015 or 0.153)

e) 50 hundredths ...... 5 tenths.

 $(< or = or > or \le)$ 

### Complete each of the following:



my

- a)  $5\frac{3}{8}$  = ..... "in the decimal form"
- **b)** 7.08 = .....
- c) 10 5.7 = ......
- d) The value of the digit (7) in the number 2.17 is .....
- e) ..... + 29.35 = 50

## Find the result of each of the following:



a) 12.15 + 79.532

b) 617.8 - 113.567

c) 25.3 + 17.46 + 5.26 d) 75350 ÷ 1000

e) 835 ÷ 10

- f) 8657 ÷ 100
- Peter has P.T. 475 and his friend Ali has L.E. 3.5. How many pounds do they have together?



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## Worksheet //

### Till Lesson (5) - Unit (1)



### Complete each of the following:

- a) 1 = 0.4 + .....
- **b)** 86.7 13.4 = .....
- c) 9382 ~ ..... (to the nearest ten)
- d) 4357 ≃ ..... (to the nearest hundred)
- e) 6843 ≃ ..... (to the nearest thousand)

#### Choose the correct answer:



- a) The value of the digit (7) in the number 123.579 is ..... (7 or 70 or 700 or 0.07)
- **b)** 5948  $\simeq$  6000 (to the nearest .....) (10 or 100 or 1000 or 10000)
- c) 64 = ..... (0.8 or 0.08 or 0.008 or 80)
- d) 42819 ÷ 100 = ..... (42.819 or 428.19 or 4281.9 or 42819)
- $(\frac{2}{7} \text{ or } \frac{7}{12} \text{ or } \frac{11}{12} \text{ or } 1)$  $e) \frac{1}{3} + \frac{1}{4} = \dots$

#### Approximate each of the following:



- a) 5675.4 (to the nearest 10)
- **b)** 70546.4 (to the nearest 100)
- (to the nearest 1000) (to the nearest 10 000) c) 12736.25 d) 8127

#### Find the result, then approximate it:



- **b)** 897.8 13.2 = ...... \( \simeq \) ..... (to the nearest 100)
- c) 26.32 1.27 = ..... ~ (to the nearest 10)

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Worksheets & Unit Tests

## Worksheet Till Lesson (6) - Unit (1)



#### Complete each of the following:

- a) 0.4 + ..... = 0.9
- **b)** 63.6 ≃ ..... (to the nearest unit)
- c) 4 17 ~ .... (in the decimal form)
- d) 9.345 ~ ..... (to the nearest tenths)
- e) 0.273 = 0. + 0. + 0. + 0.
- f) 7.98 + 12.237 = ......  $\simeq$  ..... (to the nearest  $\frac{1}{10}$ )
- g) 24.05 4.97 = ..... (to the nearest unit)
- h) 28437 ÷ 100 = ..... ~ (to the nearest 100)

#### 2 Choose the correct 1swer



- c)  $\frac{64}{80}$  = .....
- d)  $1\frac{7}{100} = \dots$

- (5.4 or 5.25 or 5.1 or 0.54)
- (11.5 or 11.2 or 11.05 or 11.02)
  - (6.4 or 0.8 or 0.08 or 0.008)
  - (0.17 or 1.007 or 1.07 or 1.7)

#### Approximate each of the following:

- a) 788 (to the nearest 10)
- **b)** 16.56
- (to the nearest 0.1)

- c)  $10^{\frac{2}{5}}$  (to the nearest whole number)
- d) 1549.7
- (to the nearest 1000)

- e) 19.75 pounds (to the nearest pound)
- f) 3385 m
- (to the nearest km)

## Arrange the following numbers in ascending order:



The order is: ..... , ...... , ...... , ..... and ......













#### Unit 1

## Test (1)



#### Choose the correct answer from those between brackets:

1) The value of the digit (6) in the number 19.56 is ........... (6 or 60 or 0.06 or 600)

2)  $1\frac{3}{4} = \dots$ (1.75 or 0.75 or 0.075 or 0.75)

3) 39 ..... 9 + 0.3 (< or > or = or otherwise)

4) 0.4 ..... 0.7 - 0.30 (< or > or = or otherwise)

5) Six and forty three hundredth = ...... (64.3 or 6.43 or 0.643 or 6.4)

(0.2 or 0.07 or 0.7 or 7) 6) 0.3 + ..... = 1

7) 3 7 = ..... (3.7 or 3.07 or 3.007 or 3.0007)

(hundredth or tenth or unit or 1000) 8)  $59.9 \simeq 60$  to the nearest

9) 67 + 100 = ..... (6.7 or 0.67 or 0.76 or 670)

#### Complete each of the following:

10) 26.08 ≈ ..... (to the nearest tenth)

11) 251056 ~ 251100 to the nearest ......

**12)** 7 + 0.7 + 0.03 + 0.009 = .....

13) The place value of 9 in the number 23.69 is ......

#### 3 Find the result:

(to the nearest **14)** 95.7 – 62.31 ≈ ......

(to the nearest unit) **15)** 20819 + 10000 ~ ......

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#### Unit 1

## Test (2)



#### 1 Choose the correct answer from those between brackets:

- 1) 354  $\frac{2}{5} \simeq$  ..... to the nearest whole number.
- (35.40r 3540r 3550r 353)

2) The number  $\frac{19}{6} = \dots$ .

 $(3\frac{1}{2}\text{ or }3\frac{1}{6}\text{ or }3.2\text{ or }3.3)$ 

4) The number 4.7 = 0.7 + .....

(4.10r 70r 0.10r 4)

(0.060r 0.60r 60r 60)

5) Sixty three and two tenths is written as ............

3) The value of the digit(6) in the number 0.46 is ......

(6.32or 63.2or 6.321or 3.6)

6) 5.7 + 1.44 ..... 5.7 - 3.4

(**⊘**r **>**or **o**therwise)

7) 23.7 = .....

- $(\frac{237}{10}$  or  $34\frac{7}{10}$  or  $2\frac{37}{100}$  or  $2\frac{37}{1000})$
- 8) 45.26 ~ 45.3 to the nearest .....

(tenthor unitor tenor hundred)

9) 7.3 + 4.06 = .....

(11.36or 13.3or 21.36or 21.9)

## 2 Complete each of the following:

- 10) 0.9 ÷ ..... = 1
- 11)  $12.7 + 10.07 = \dots \simeq \dots$  (to the nearest 0.1)
- 12) 456 + 100 = ...... ≃ ............... (to the nearest unit)
- 13) 4.7 2.05 = .....

#### 3 Find the result:

- 14) If Amr has 533 pounds and his brother has 95.45 pounds Find the difference between what they have to the nearest pound.
- 15)Arrange the following numbers in ascending order: 0.35, 5.4,  $3\frac{1}{2}$ , 0.53.

The order is: ..... and ..... and

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## **Unit** (2)

## Worksheet 2

#### Till Lesson (1) - Unit (2)



### 1 Complete each of the following:

a) 
$$3\frac{1}{2} = \dots$$
 (in the decimal form)

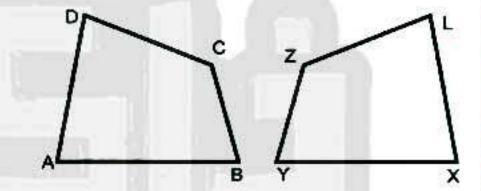


- b) Three and twenty five hundredths = ..... (in digits form)
- c) 8.21 + 6.24  $\simeq$  (to the nearest tenths)
- e) The diagonal of the rectangle divides it into two ..... triangles.

## 2 If the polygon ABCD the polygon XYZL, complete:



- a) AB ≡ .....
- b) BC ≡ .....
- c) AD = .....
- **d)** m ( $\angle$  X) = m ( $\angle$ .....)
- e) m (∠ C) = m (∠.....)



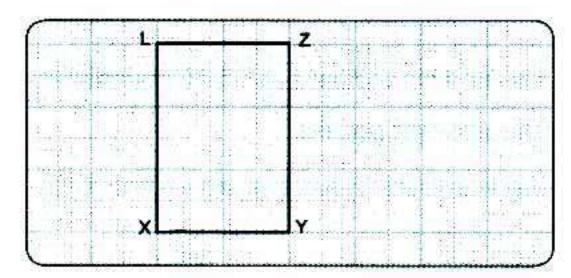
## 3 Write the place value of the circled digits:



3.256,53.28,7.632,8.423

## Drawthe rectangle ABCD to be congruent to the rectangle XYZL.







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# Worksheet 1000

#### Till Lesson (2) - Unit (2)



#### Choose the correct answer:

- (unit or 10 or 100 or 1000) a) 2834.5÷ 10 ≈ 280 (to the nearest .....)
- (0 or1 or2 or3) b) The rectangle has .....line(s) of symmetry.
- (2.87 or 2.78 or 2.09 or 2.19) c) The decimal number ..... lies between 2.8 and 2.9.
- $(\frac{42}{15} \text{ or } \frac{10}{15} \text{ or } \frac{10}{5} \text{ or } \frac{42}{5})$ **d)**  $8\frac{2}{5} = \frac{.....}{....}$
- (1 or2 or3 or4) e) The square has ..... line(s) of symmetry.

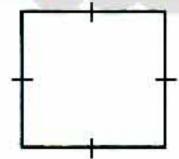
## Complete each of the following:

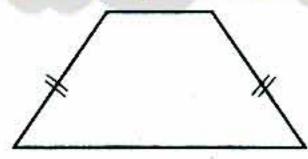


- a) 784 + 368 ~ ..... (to the nearest hundred)
- b) A square of side length 9 cm is congruent to another square of perimeter ..... cm.
- c) The greatest whole number that if approximated to the nearest ten gives 8000 is ......
- **d)** 7.583 = 7 + 0. ( ) + 0.08 + 0. ( )
- e) The isosceles triangle has ..... line(s) of symmetry.

## Draw all lines of symmetry for the following shapes:





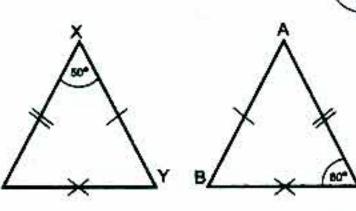












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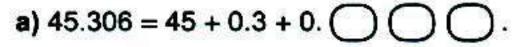


# Worksheet

## till Lesson (3) - Unit (2)



#### 1 Choose the correct answer:



(60r 0.60r 0.060r 0.006)

..... (in the same pattern)

 $pr \land or \bigcirc$ 

c) 2.1 < .....< 3

 $(1.9780r \ 2.020r \ 3.010r \ 2\frac{1}{4})$ 

e) The next term in the pattern A, AB, ABB is .....

(Apr ABpr ABBBor B)

(50or 5or 0.05or 0.005)

#### Complete each of the following:



**b)**  $87054 \simeq 87000$ (to the nearest .....)

c) The number of lines of symmetry of the square is .....

d) 36.7= 36+ 0. ( )

#### 3 Put the suitable sign (< , > or =):

..... 0.625

b) 445 ÷ 10

...... 4450 ÷ 100

c)Twenty nine thousands ...... ninety two thousandths.

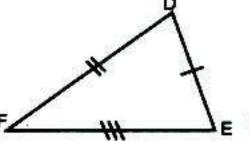
d) The number of lines of symmetry of the rhombus ...... the number of lines of symmetry of the square.

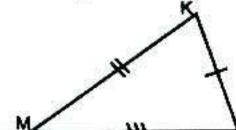
e)  $4\frac{1}{6}$ 

## 4 In the opposite figures, if $\triangle$ DEF $\equiv$ $\triangle$ KLM:









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#### Unit 2

### Test (1)



#### Choose the correct answer from those between brackets:

- (0 or or or or or or The equilateral triangle has ...... line(s) of symmetry.
- (0 of of of) 2) The isosceles trapezium has ...... line(s) of symmetry.
- 3) The rectangle has ...... line(s) of symmetry. (0 or or or or)
- 4) If  $\triangle$  ABC =  $\triangle$ XYZ, then  $\angle$ Y =  $\angle$  ...... (X of of of)
- (XY OXX OXZ OXZ) 5) If the  $\triangle$  DEF = the  $\triangle$ XYZ, then EF = .............
- 6) The number of line(s) of symmetry of the rhombus ...... the number of line(s) of (< OP OF OS) symmetry of the rectangle.
- 7) For the congruency of two triangles their ...... are congruent.

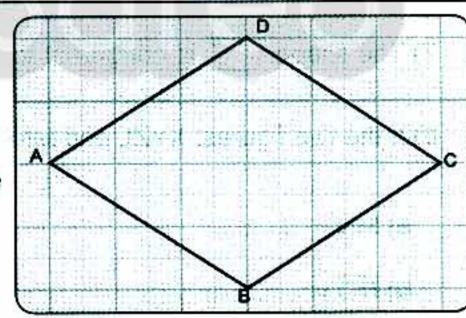
(sides of two angles of two sides of angle and side)

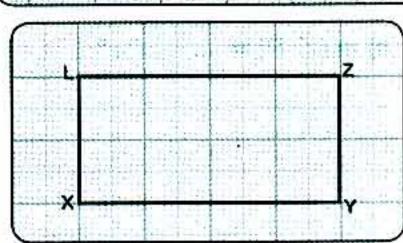
#### 2 Complete each of the following:

- 8) Two polygons are congruent if their corresponding sides and their corresponding angles are ......
- 10) Two polygons are congruent if their corresponding sides are ...... in length and their corresponding angles are ..... in measure.
- 11) The diagonal in the parallelogram divides it in two ..... triangles.

#### 3 Find the result:

- 12) From the opposite figure:
  - a) What is the figure ABCD called? .....
  - b) How many lines of symmetry does the opposite figure have?
  - c) Complete AB = ..... = ..... = .....
    - BD ..... AC and BD ..... AC
- 13) From the opposite figure:
  - a) What is the name of the figure XYZL?
  - b) Draw a line to divide the figure into two congruent parts.
  - c) How many lines of symmetry does the figure XYZL have?





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#### Unit 2

## Test (2)

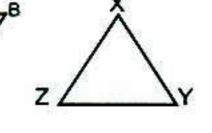


Choose the correct answer from those between brackets:

1) If 
$$\triangle$$
 ABC  $\equiv$   $\triangle$ XYZ, then AB  $\rightarrow$  XY = ......

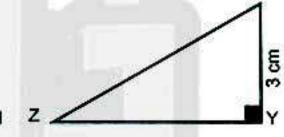
3) The isosceles 
$$\Delta$$
 has ..... line(s) of symmetry.





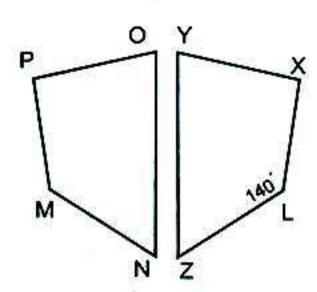
5) In the opposite figure:  $\triangle XYZ \equiv \triangle LMN$ , then:

$$LM = .....cm$$
 (3<sub>or</sub> 5<sub>or</sub> 4<sub>or</sub> 0)



$$XZ = ..... cm (3_{or} 5_{or} 4_{or} 0)$$

( or or 
$$\Delta_{or}$$



تفوقك في أي عمل عليه الطامة دي فالعيولية

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Worksheets & Unit Tests

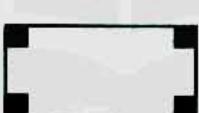
## 2 Complete each of the following:

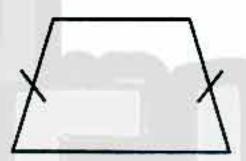
- 9) If the two polygons XYZLM and ABCDE are congruent and ZL = 3.5 cm, then ...... = 3.5 cm
- 10) The equilateral ∆ has ..... line(s) of symmetry.
- 11) The parallelogram has ..... line(s) of symmetry.
- 12) The equality of the corresponding sides lengths of two triangles is enough to consider them .......

#### 3 Find the result:

13) In each of the following figures<sub>draw</sub> all the line of symmetry if it exists.









14) In the opposite figures:  $\Delta$  LMN =  $\Delta$ XYZ, then complete:







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## **Unit** (3)

# Worksheet 112

## Till Lesson (1) - Unit (3)



#### Choose the correct answer:

a) 
$$5 \frac{7}{100} = \dots$$

**b)** 
$$4\frac{7}{10} + 3.07 = \dots$$

d) 6.5 litres = ..... mL.

$$(\frac{1}{2} \text{ or } \frac{1}{3} \text{ or } \frac{1}{4} \text{ or } 1)$$

(65 o,605 o,650 o,6500)

## Complete each of the following:



c) 
$$2\frac{2}{9} + 3\frac{1}{5} = \dots$$

## 3 Put the suitable sign (< , > or =):



c) 
$$\frac{3}{4}$$
 litre

## Arrange the following capacities in ascending order:



750 mL, 
$$\frac{1}{2}$$
 L, 2 dm<sup>3</sup> and 1250 mL



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# Worksheet LESSON (2) - Unit (3)



#### Complete each of the following:

- = ..... (in mixed form).
- b) The place value of the digit 9 in 3.159 is .....
- c)  $13\frac{1}{5}$  = ..... (in decimal form).
- d) 2 kg = ..... gm.
- e) The parallelogram has .....line(s) of symmetry.

a)  $7\frac{1}{3}$  as an improper fraction is ...................

Choose the correct answer:

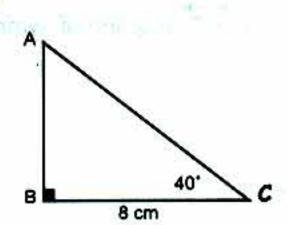
- b) 40 litres = ..... mL.
- c) .....kg = 3000 gm.
  - (3 tons or 3 kg or 30 kg or 30 gm) d) The weight of a rabbit is ................................
- e) The rectangle has ..... line(s) of symmetry.
- $(3\frac{1}{7} \text{ or } \frac{7}{3} \text{ or } \frac{11}{3} \text{ or } \frac{22}{3})$ (4000 or 40000 or 40 or 0.04)
  - $(3 \text{ or } 30 \text{ or } 300 \text{ or } \frac{7}{3})$ 
    - (1 or 2 or 3 or 4)

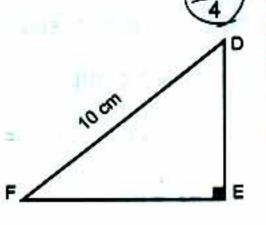
## Find the result of the following:

- a)  $3\frac{3}{4}$  kg + 250 gm = ..... kg.
- b)  $\frac{1}{2}$  litre +  $\frac{3}{4}$  dm<sup>3</sup> = ..... litre(s).
- c)  $1 \frac{1}{4} \text{ ton+ } 750 \text{ kg} = \dots \text{ tons.}$

## If $\triangle$ ABC $\equiv$ $\triangle$ DEF, then complete:

- **b)** ∠ B ≡ ∠ ......
- c) AB = .....
- **d)** m (∠ D) = m (∠.....) = .....







# Worksheet

## Till Lesson (3) - Unit (3)



### Complete each of the following:

= ..... litres a) 5000 mL

**b)** 3000 kg = ..... tons.

c)  $\frac{1}{3}$  of a day = ..... hours.

d) 500 mL = ..... litres.

e) 120 seconds = ..... minutes.

#### Choose the correct answer:

- a)  $\frac{1}{4}$  of a kilogram and 375 grams = ..... grams.
- (625 or 400 or 380 or 250.25)

**b)** 250 tons = ..... kg. (0.25 or 2500 or 25000 or 250000)

c) 3 hours = ..... minutes. (36 or 72 or 108 or 180)

d) 20 litres = ..... mL. (20000 or 2000 or 200 or 0.02)

e) 3600 seconds = ..... hour(s).

(2or 1or 15or 0.5)

## 3 Put the suitable sign (< , > or =):



a) 6205 kg ......  $6\frac{1}{4}$  tons.

- b) 2 1/2 litres ...... 2050 mL.

- c) 72 hours
- three days.

- d) 750 gm
- $\frac{1}{2}$  kg.

- e)  $\frac{1}{4}$  litre
- 1500 mL.

## 4 range each of the following in ascending order:



- a) 1 week,  $\frac{1}{2}$  a day, 3600 seconds, 20 minutes and 72 days
- **b)**  $\frac{1}{2}$  ton, 400000 gm, 700 kg, 875 kg and  $\frac{1}{4}$  ton

## In the opposite figure, if AF is a line of symmetry of the polygon ABCDE, then complete:

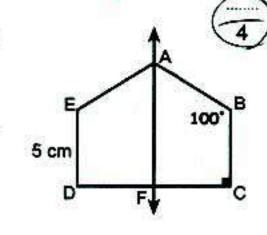


a) m (∠ D) = .....

**b)** m (∠ E) = .....°

- c) BC

d) DF



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Unit 3

### Test (1)



#### Choose the correct answer from those between brackets:

1) The measuring unit of capacity is ......

(kg or hour or litre)

2)  $2\frac{1}{2}$  kg ....... 2500 gm.

(>or < or =)

3) 2 days = ..... hours.

(48 or 72 or 96) (5 or 6 or 7)

5) The unit of measuring time is .....

4) 39 days = ..... (to the nearest week)

(mor day or gmor litre)

my

6) 1 L = ..... mL

(1000 or 10 or 10 000 or 100)

7) 4.5 tons = ..... kg

(45 or 54 or 4500 or 5400)

8) 5 litres = ..... cm<sup>3</sup>

(50 or 500 or 5000 or 5500)

**9)** 750 grams = ..... $\frac{1}{2}$  kg

(> or < or = or otherwise)

## Complete each of the following:

- 10) 72 hours ...... 3 days (put < or > or =)
- 11)  $\frac{1}{4}$  of a day = ..... hours.

12) 2 tons = ..... grams

13) -1 litres = ..... millilitres

- 14) 35 dm3 = ..... mL
- 15) 54 hours = ..... days (mixed number)

#### 3 Find the result:

16) Arrange the following in descending order: 8 L, 9000 mL, 5 dm³ and 6500 cm³

The order is: ..... , ..... , ..... and ...... and .....

17) Arrange the following in ascending order: 10 hours,  $\frac{1}{2}$  day, 20 minutes

The order is: ..... , ...... and ......

- 18) Put the suitable sign (< or = or >):
  - (1) One day
- 15 hours.
- (2) 200 millilitres
- 2 litres.
- (3) 4 pounds
- .em
- 375 piastres.

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Unit 3

Test (2)



### Choose the correct answer from those between brackets:

1) 3 litres ....... 3000 dm<sup>3</sup>

(> or < or = )

2) Two and half hours ...... 150 minutes.

(> or < or = )

3) 2000 millilitres ...... 2000 centimetres (> or < or = )

4) 520 kg 5000 gm

(> or < or = ) (475 litres or 45  $\frac{1}{2}$  litres or 4  $\frac{3}{4}$  litres)

6)  $\frac{2}{3}$  of a day = ..... hours.

5) 4 750 millilitres = .....

(16 or 15 or 6 or 18)

7)14 days and 4 weeks = ..... weeks.

(4 or 5 or 6)

8) 3750 cm = ..... metres.

(3.75 or 373 or 375000 or 37.5)

9) The litre is the capacity of a vessel in the shape of a cube with edge length ......

(1 cm or 10 cm or 100 cm or 1 dcm3)

## Complete each of the following:

10) 25 days ~ ..... weeks

11) 2345 grams ≃ ..... kilograms

12)  $\frac{1}{2}$  litre = ..... cm<sup>3</sup>

13) One minute = ..... seconds

14) - km = ..... metres

15) The litre = ..... millilitres

#### 3 Find the result:

16) Arrange the following in ascending order:

4 litres, 5200 millilitres, 4.5 dm3 and 4700 millilitres

The order is: ....., ....., ......

17) Arrange ascendingly: a kilogram, a ton and a gram

The order is: ....., ....., .....

16) Arrange the following in ascending order: 8740 kilograms, 9 tons and 8740 grams

The order is: ...... , ...... , ..........

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